



The  
University  
of Sydney

---

'09

# Undergraduate

unit of study reference  
handbook 2009



Set a course for Handbooks online: [www.usyd.edu.au/handbooks](http://www.usyd.edu.au/handbooks)

# Acknowledgements



## The Arms of the University

### **Sidere mens eadem mutato**

*Though the constellation may change  
the spirit remains the same*

### **Copyright**

This work is copyright. No material anywhere in this work may be copied, reproduced or further disseminated – unless for private use or study – without the express and written permission of the legal holder of that copyright. The information in this handbook is not to be used for commercial purposes.

### **Official course information**

Faculty handbooks and their respective online updates along with the *University of Sydney Calendar* form the official legal source of information relating to study at the University of Sydney. Please refer to the following websites:

[www.usyd.edu.au/handbooks](http://www.usyd.edu.au/handbooks)  
[www.usyd.edu.au/calendar](http://www.usyd.edu.au/calendar)

### **Amendments**

All authorised amendments to this handbook can be found at [www.usyd.edu.au/handbooks/handbooks\\_admin/updates2009](http://www.usyd.edu.au/handbooks/handbooks_admin/updates2009)

### **Disability access**

Accessible versions of this document in Microsoft Word are available at [www.usyd.edu.au/handbooks/handbooks\\_disability](http://www.usyd.edu.au/handbooks/handbooks_disability)

### **Resolutions**

#### *The Coursework Clause*

Resolutions must be read in conjunction with the *University of Sydney (Coursework) Rule 2000 (as amended)*, which sets out the requirements for all undergraduate courses, and the relevant Resolutions of the Senate.

#### *The Research Clause*

All postgraduate research courses must be read in conjunction with the relevant rules and Resolutions of the Senate and Academic Board, including but not limited to:

1. The *University of Sydney (Amendment Act) Rule 1999 (as amended)*.
2. The *University of Sydney (Doctor of Philosophy (PhD)) Rule 2004*.
3. The Resolutions of the Academic Board relating to the Examination Procedure for the Degree of Doctor of Philosophy.
4. The relevant Faculty Resolutions.

### **Disclaimers**

1. The material in this handbook may contain references to persons who are deceased.
2. The information in this handbook was as accurate as possible at the time of printing. The University reserves the right to make changes to the information in this handbook, including prerequisites for units of study, as appropriate. Students should check with faculties for current, detailed information regarding units of study.

### **Price**

The price of this handbook can be found on the back cover and is in Australian dollars. The price includes GST.

### **Handbook purchases**

You can purchase handbooks at the Student Centre, or online at [www.usyd.edu.au/handbooks](http://www.usyd.edu.au/handbooks)

### **Production**

Digital and Print Media Office  
Website: [www.usyd.edu.au/digital\\_print\\_media](http://www.usyd.edu.au/digital_print_media)

### **Printing**

SOS Print and Media

### **Handbook enquiries**

For any enquiries relating to the handbook, please email the handbook editors at [info@publications.usyd.edu.au](mailto:info@publications.usyd.edu.au)

### **Address**

University of Sydney  
NSW 2006, Australia  
Phone: +61 2 9351 2222  
Website: [www.usyd.edu.au](http://www.usyd.edu.au)

### **CRICOS Provider Code 00026A**

ISSN: 1834-9544  
ISBN: 978-1-74210-100-2



To view the latest update, download, purchase or search a handbook visit *Handbooks online*: [www.usyd.edu.au/handbooks](http://www.usyd.edu.au/handbooks)

# How to use this reference handbook

## The purpose of this handbook

This handbook contains all **undergraduate** units of study in one printed volume. It is particularly useful for staff who need to search for subject and content, regardless of faculty.

This publication provides a broader perspective on units of study – one that is not restricted by course structure and timetables.

It offers an overview of the areas of undergraduate study available at the University of Sydney.

## Unit of study reference handbook – two volume set

The unit of study reference is a limited edition publication produced as a two volume set:

- Unit of study reference handbook – undergraduate
- Unit of study reference handbook – postgraduate

## How this book is structured

This is a reference handbook of every undergraduate unit of study available in 2009.

The emphasis is on the unit of study and not necessarily its context, which means that units are not sorted by faculty, but rather by alpha-numeric code.

For a complete list of units of study by faculty, please refer to the relevant student handbook by visiting [www.usyd.edu.au/handbooks](http://www.usyd.edu.au/handbooks).

## Contents

The units of study have been sorted alphabetically by alpha-numeric code. Each chapter represents one letter of the alphabet.

## Course information

This publication should be read in conjunction with the relevant student handbook and the *University Calendar 2009* for a complete overview of official course rules and requirements.

## About the index

This reference guide contains two indexes:

- Units of study by name
- Units of study by alpha-numeric code, including faculty

## Index abbreviations

Abbreviation	Faculty name
AG	Agriculture, Food and Natural Resources
ARCH	Architecture, Design and Planning
ARTS	Arts
CON	Sydney Conservatorium of Music
DENT	Dentistry
E&B	Economics and Business
EDU	Education and Social Work
ENG	Engineering and Information Technologies
HSCI	Health Sciences
LAW	Sydney Law School
MED	Medicine
NURS	Nursing and Midwifery
PAN	Pan-Faculty
PHAR	Pharmacy
SCA	Sydney College of the Arts
SCI	Science
VETS	Veterinary Science





# Contents

<b>How to use this reference handbook</b>	<b>i</b>
The purpose of this handbook	i
How this book is structured	i
About the index	i
<b>University undergraduate units of study – A</b>	<b>1</b>
<b>University undergraduate units of study – B</b>	<b>77</b>
<b>University undergraduate units of study – C</b>	<b>121</b>
<b>University undergraduate units of study – D</b>	<b>187</b>
<b>University undergraduate units of study – E</b>	<b>209</b>
<b>University undergraduate units of study – F</b>	<b>311</b>
<b>University undergraduate units of study – G</b>	<b>321</b>
<b>University undergraduate units of study – H</b>	<b>359</b>
<b>University undergraduate units of study – I</b>	<b>385</b>
<b>University undergraduate units of study – J</b>	<b>407</b>
<b>University undergraduate units of study – K</b>	<b>427</b>
<b>University undergraduate units of study – L</b>	<b>439</b>
<b>University undergraduate units of study – M</b>	<b>463</b>
<b>University undergraduate units of study – N</b>	<b>549</b>
<b>University undergraduate units of study – O</b>	<b>555</b>
<b>University undergraduate units of study – P</b>	<b>571</b>
<b>University undergraduate units of study – R</b>	<b>633</b>
<b>University undergraduate units of study – S</b>	<b>641</b>
<b>University undergraduate units of study – T</b>	<b>697</b>
<b>University undergraduate units of study – U</b>	<b>707</b>
<b>University undergraduate units of study – V</b>	<b>711</b>
<b>University undergraduate units of study – W</b>	<b>739</b>
<b>University undergraduate units of study – Y</b>	<b>761</b>
<b>Index by alpha-numeric code</b>	<b>763</b>
<b>Index by name</b>	<b>811</b>





# University undergraduate units of study – A

## ACCP3601

### Elective Performance Study 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons, group/masterclasses and/or performance workshops/wk **Prerequisites:** Principal Study 4 in major study area. Departmental permission is required to enrol in this unit of study. **Assessment:** Completion of performance project. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Preference will usually be given to B.Mus students whose Principal Study area is non-orchestral instrument.*

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S.

This unit of study provides an opportunity for students enrolled in Sydney Conservatorium of Music undergraduate programs to undertake a second principal study area. Students must submit a project proposal and complete an audition and/or interview at least 4 weeks before the start of the semester in which the Elective Performance Study is proposed to be undertaken. Entry is subject to approval from the relevant Chairs of Units and the Dean/Head of School.

## ACCP3602

### Elective Performance Study 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons, group/masterclasses and/or performance workshops/wk **Prerequisites:** ACCP3601 Elective Performance Study 1, Principal Study 5 in major study area. Departmental permission is required to enrol in this unit of study **Assessment:** Completion of performance project. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S.

This unit of study provides an opportunity for students enrolled in Sydney Conservatorium of Music undergraduate programs to undertake a second principal study area. Students must submit a project proposal and complete an audition and/or interview at least 4 weeks before the start of the semester in which the Elective Performance Study is proposed to be undertaken. Entry is subject to approval from the relevant Chairs of Units and Dean/Head of School.

## ACCP3605

### Accompaniment 5

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** 14X1hr lessons, 1hr/wk concert practice/performance class **Prerequisites:** ENSE2001 Accompaniment 4, KEYB2624 Pianoforte 4 **Corequisites:** ACCP4705 Accompaniment 5 (Adv) **Assumed knowledge:** Students will be expected to have indicated a demonstrable interest in the art of accompaniment during the first four semesters of their course and an involvement in duo or chamber repertoire both within and outside the Conservatorium **Assessment:** Teacher Assessment 100% **Assessment criteria:** Technical and musical progress, commitment and effectiveness of practice/rehearsals, quality of performances (technique, interpretation, ensemble, projection, confidence, rapport etc.), development of teaching/coaching techniques, music craft skills (sight reading, quick study, repertoire etc.) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Entry to this UoS depends on results from ENSE2001 Accompaniment 4 and a possible additional audition*

**Associated degrees:** B Mus (Perf).

This unit is designed for those keyboard students who have exhibited exceptional ability as vocal and instrumental accompanists. It enables them to study in greater depth the various aspects of piano

accompaniment as a profession. Students will be exposed to a wide range of performance and learning experiences as they apply to ensemble repertoire and situations. Emphasis will be placed on techniques of rehearsal and performance with a musical partner, the adaptation of keyboard technique to the demands of ensemble, the specialized skills required of the vocal as opposed to the instrumental accompanist, an extensive exploration of the ensemble repertoire both vocal and instrumental and a study of the special problems arising from choosing and working with a musical partner.

## ACCP3606

### Accompaniment 6

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** 14X1hr lessons, 1hr/wk concert practice/performance class **Prerequisites:** ACCP3605 Accompaniment 5 **Corequisites:** ACCP4706 Accompaniment 6 (Adv) **Assumed knowledge:** A developing grasp of ensemble performance and an extended repertoire **Assessment:** 40 minute solo junior recital. Panel grade 80%; teacher grade 20%. Students must pass both assessment components. **Assessment criteria:** Technical and musical progress, commitment and effectiveness of practice/rehearsals, quality of performances (technique, interpretation, ensemble, projection, confidence, rapport etc.), development of teaching/coaching techniques, music craft skills (sight reading, quick study, repertoire etc.) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

This unit is designed for those keyboard students who have exhibited exceptional ability as vocal and instrumental accompanists. It enables them to study in greater depth the various aspects of piano accompaniment as a profession. Students will be exposed to a wide range of performance and learning experiences as they apply to ensemble repertoire and situations. Emphasis will be placed on techniques of rehearsal and performance with a musical partner, the adaptation of keyboard technique to the demands of ensemble, the specialized skills required of the vocal as opposed to the instrumental accompanist, an extensive exploration of the ensemble repertoire both vocal and instrumental and a study of the special problems arising from choosing and working with a musical partner.

## ACCP3611

### Recital Preparation 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** 8 hrs per semester **Assessment:** 100% assessment by Ensemble Studies Unit staff based on attendance, participation, performance and preparation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit must be taken by students in the new award courses who wish to use SCM Ensemble Studies staff accompanists. Can only be taken in the semester in which a student has a recital or qualifying exam (i.e. Diploma semester 4; B Mus Studies semester 6; B Mus semesters 4, 6 and 8; B Mus Hons semesters 4, 6, 7 or 8.) Students may take a maximum of 3 Recital Preparation units of study during their award course. Recital Preparation units of study are optional for students enrolled in pre-2008 courses.*

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

The purpose of recital preparation units of study is to develop the range of skills that musicians must possess to prepare them to be professional performers particularly in an ensemble situation. Students will receive training/instruction in all aspects of collaborative recital preparation. Through recital repertoire chosen by the student and the principal study teacher at the beginning of the semester, students will learn practical application of elements of recital preparation and performance including appropriate recital structure, issues in



collaborative performance, strategies for improvement of accuracy of rhythmic and intonation control, ethics and professional conduct of a musician. Students must abide by the recital preparation attendance and rehearsal policy of the Ensemble Studies Unit. The objectives of this Unit of Study are to develop: the ability to concentrate and perform with commitment; teamwork; the ability to work effectively with another musician. Assessment is based on all aspects of participation in the preparation sessions. Assessment criteria include: level of preparation, actual performance in the sessions, commitment, concentration, ability and teamwork. For further information contact the relevant Chair of the Ensemble Studies Unit.

### ACCP3612

#### Recital Preparation 2

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** 8 hrs per semester **Assessment:** 100% assessment by Ensemble Studies Unit staff based on attendance, participation, performance and preparation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit must be taken by students in the new award courses who wish to use SCM Ensemble Studies staff accompanists. Can only be taken in the semester in which a student has a recital or qualifying exam (i.e. Diploma semester 4; BMus Studies semester 6; BMus semesters 4, 6 and 8; BMus Hons semesters 4, 6, 7 or 8.) Students may take a maximum of 3 Recital Preparation units of study during their award course. Recital Preparation units of study are optional for students enrolled in pre-2008 courses.*

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

The purpose of recital preparation units of study is to develop the range of skills that musicians must possess to prepare them to be professional performers, particularly in an ensemble situation. Students will receive training/instruction in all aspects of collaborative recital preparation. Through recital repertoire chosen by the student and principle study teacher at the beginning of the semester, students will learn practical application of elements of recital preparation and performance including appropriate recital structure, issues in collaborative performance, strategies for improvement of accuracy of rhythmic and intonation control, ethics and professional conduct of a musician. Students must abide by the recital preparation attendance and rehearsal policy of the Ensemble Studies Unit. The objectives of this Unit of Study are to develop: the ability to concentrate and perform with commitment; teamwork; the ability to work effectively with another musician. Assessment is based on all aspects of participation in the preparation sessions. Assessment criteria include: level of preparation, actual performance in the sessions, commitment, concentration, ability and teamwork. For further information contact the Chair of the Ensemble Studies Unit.

### ACCP3613

#### Recital Preparation 3

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** 8 hrs per semester **Assessment:** 100% assessment by Ensemble Studies Unit staff based on attendance, participation, performance and preparation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit must be taken by students in the new award courses who wish to use SCM Ensemble Studies staff accompanists. Can only be taken in the semester in which a student has a recital or qualifying exam (i.e. Diploma semester 4; BMus Studies semester 6; BMus semesters 4, 6 and 8; BMus Hons semesters 4, 6, 7 or 8.) Students may take a maximum of 3 Recital Preparation units of study during their award course. Recital Preparation units of study are optional for students enrolled in pre-2008 courses.*

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

The purpose of recital preparation units of study is to develop the range of skills that musicians must possess to prepare them to be professional performers, particularly in an ensemble situation. Students will receive training/instruction in all aspects of collaborative recital

preparation. Through recital repertoire chosen by the student and principle study teacher at the beginning of the semester, students will learn practical application of elements of recital preparation and performance including appropriate recital structure, issues in collaborative performance, strategies for improvement of accuracy of rhythmic and intonation control, ethics and professional conduct of a musician. Students must abide by the recital preparation attendance and rehearsal policy of the Ensemble Studies Unit. The objectives of this Unit of Study are to develop: the ability to concentrate and perform with commitment; teamwork; the ability to work effectively with another musician. Assessment is based on all aspects of participation in the preparation sessions. Assessment criteria include: level of preparation, actual performance in the sessions, commitment, concentration, ability and teamwork. For further information contact the Chair of the Ensemble Studies Unit.

### ACCP4607

#### Accompaniment 7

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** 14 x 1hr lessons, 1hr/w concert practice/performance class **Prerequisites:** ACCP3606 Accompaniment 6 **Corequisites:** ACCP4707 Accompaniment 7(Adv) **Assumed knowledge:** Students will be expected to be fully involved in duo and chamber music repertoire both within and without the Conservatorium **Assessment:** Teacher Assessment 100% Assessment criteria: Technical and musical progress, commitment and effectiveness of practice/rehearsals, quality of performances (technique, interpretation, ensemble, projection, confidence, rapport etc.), development of teaching/coaching techniques, music craft skills (sight reading, quick study, repertoire etc.) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

This unit is designed for those keyboard students who have exhibited exceptional ability as vocal and instrumental accompanists. It enables them to study in greater depth the various aspects of piano accompaniment as a profession. Students will be exposed to a wide range of performance and learning experiences as they apply to ensemble repertoire and situations. Emphasis will be placed on techniques of rehearsal and performance with a musical partner, the adaptation of keyboard technique to the demands of ensemble, the specialized skills required of the vocal as opposed to the instrumental accompanist, an extensive exploration of the ensemble repertoire both vocal and instrumental and a study of the special problems arising from choosing and working with a musical partner.

### ACCP4608

#### Accompaniment 8

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** 14x1hr lessons 1hr/w concert practice/performance class **Prerequisites:** ACCP4607 Accompaniment 7 **Corequisites:** ACCP4708 Accompaniment 8 (Adv) **Assessment:** 40 minute senior recital with an instrumentalist and 35 minute senior recital with a vocalist. Panel grade 80%; Teacher grade 20%. Students must pass both assessment components. Assessment criteria: Technical and musical progress, commitment and effectiveness of practice/rehearsals, quality of performances (technique, interpretation, ensemble, projection, confidence, rapport etc.), development of teaching/coaching techniques, music craft skills (sight reading, quick study, repertoire etc.) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

This unit is designed for those keyboard students who have exhibited exceptional ability as vocal and instrumental accompanists. It enables them to study in greater depth the various aspects of piano accompaniment as a profession. Students will be exposed to a wide range of performance and learning experiences as they apply to ensemble repertoire and situations. Emphasis will be placed on techniques of rehearsal and performance with a musical partner, the adaptation of keyboard technique to the demands of ensemble, the specialized skills required of the vocal as opposed to the instrumental accompanist, an extensive exploration of the ensemble repertoire both vocal and instrumental and a study of the special problems arising from choosing and working with a musical partner.



**ACCP4705****Accompaniment 5 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** 14x1hr **Prerequisites:** ENSE2001 Accompaniment 4, KEYB1622 Pianoforte 4 **Corequisites:** ACCP3605 Accompaniment 5 **Assessment:** Teacher assessment 100% Performance practice Proposal for junior solo level exam Journals, masterclass performances and attendance Two seminar performances **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

This unit is designed for those keyboard students who have exhibited exceptional ability as vocal and instrumental accompanists. It enables them to study in greater depth the various aspects of piano accompaniment as a profession. Students will be exposed to a wide range of performance and learning experiences as they apply to ensemble repertoire and situations. Emphasis will be placed on techniques of rehearsal and performance with a musical partner, the adaptation of keyboard technique to the demands of ensemble, the specialized skills required of the vocal as opposed to the instrumental accompanist, an extensive exploration of the ensemble repertoire both vocal and instrumental and a study of the special problems arising from choosing and working with a musical partner.

**ACCP4706****Accompaniment 6 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** 14x1hr **Prerequisites:** ACCP4705 Accompaniment 5 (Adv) **Corequisites:** ACCP3606 Accompaniment 6 **Assessment:** Performance practice Proposal for junior solo level exam Journals, masterclass performances and attendance Two seminar performances **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

This unit is designed for those keyboard students who have exhibited exceptional ability as vocal and instrumental accompanists. It enables them to study in greater depth the various aspects of piano accompaniment as a profession. Students will be exposed to a wide range of performance and learning experiences as they apply to ensemble repertoire and situations. Emphasis will be placed on techniques of rehearsal and performance with a musical partner, the adaptation of keyboard technique to the demands of ensemble, the specialized skills required of the vocal as opposed to the instrumental accompanist, an extensive exploration of the ensemble repertoire both vocal and instrumental and a study of the special problems arising from choosing and working with a musical partner.

**ACCP4707****Accompaniment 7 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** 14x1hr **Prerequisites:** ACCP4706 Accompaniment 6 (Adv) **Corequisites:** ACCP4607 Accompaniment 7 **Assessment:** Teacher assessment 100% Performance practice Proposal for senior level exam Journals, masterclass performances and attendance Two seminar performances **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

This unit is designed for those keyboard students who have exhibited exceptional ability as vocal and instrumental accompanists. It enables them to study in greater depth the various aspects of piano accompaniment as a profession. Students will be exposed to a wide range of performance and learning experiences as they apply to ensemble repertoire and situations. Emphasis will be placed on techniques of rehearsal and performance with a musical partner, the adaptation of keyboard technique to the demands of ensemble, the specialized skills required of the vocal as opposed to the instrumental accompanist, an extensive exploration of the ensemble repertoire both vocal and instrumental and a study of the special problems arising from choosing and working with a musical partner.

**ACCP4708****Accompaniment 8 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** 14x1hr **Prerequisites:** ACCP4707 Accompaniment 7 (Adv) **Corequisites:** ACCP4608 Accompaniment 8 **Assessment:** Teacher assessment 100% Performance practice; proposal for senior level exams; journals, masterclass performances and attendance; two seminar performances. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

This unit is designed for those keyboard students who have exhibited exceptional ability as vocal and instrumental accompanists. It enables them to study in greater depth the various aspects of piano accompaniment as a profession. Students will be exposed to a wide range of performance and learning experiences as they apply to ensemble repertoire and situations. Emphasis will be placed on techniques of rehearsal and performance with a musical partner, the adaptation of keyboard technique to the demands of ensemble, the specialized skills required of the vocal as opposed to the instrumental accompanist, an extensive exploration of the ensemble repertoire both vocal and instrumental and a study of the special problems arising from choosing and working with a musical partner.

**ACCT1001****Accounting 1A****Economics and Business**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs of lectures/tutorials per week **Prohibitions:** ACCT1003, ACCT1004 **Assumed knowledge:** HSC Mathematics **Assessment:** Mid-semester examination; Tutorial and research assignments; Practice Set; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program.

Accounting 1A introduces students to the fundamentals of accounting and the double entry system of financial recording. Students examine the assumptions underlying the preparation of financial statements for external users and gain the skills necessary to prepare, interpret and analyse financial statements. In doing so students develop their ability to understand, discuss, analyse and write about accounting-related topics. This unit is designed as an introduction to accounting. As such, no prior knowledge of accounting is assumed.

**ACCT1002****Accounting 1B****Economics and Business**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs of lectures/tutorials per week **Prerequisites:** ACCT1001 **Prohibitions:** ACCT1003, ACCT1004 **Assessment:** Homework tasks; Group project; Interactive On-line Assessment; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program.

Accounting is about the recording, classification, reporting and interpretation of information to help make economic decisions. Accounting 1A introduces accounting and the double entry system for financial recording. Accounting 1B develops themes and competencies learnt in Accounting 1A. The primary focus of this unit of study is on conceptual and technical issues relating to management accounting and the information required by internal users to make strategic and operational decisions relating to managing a business. A second theme is the financial accounting information businesses are required to produce to assess a firm's financial state and performance. Students examine how commercial and ethical issues affect business decisions and how there are present and future consequences that will affect different groups of interest.

**ACCT1003****Financial Accounting Concepts****Economics and Business**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hrs of lectures/tutorials per week **Prohibitions:** ACCT1001, ACCT1002 **Assessment:** Group assignments; Mid-semester examination; Final examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Terminating unit.*

**Associated degrees:** B Agr Ec, B Com (Liberal Studies), B E, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec, B S T, UG Study Abroad Program.

Provides an introduction to the concepts underlying "external" accounting and is designed for students who are not majoring in accounting. The unit utilises a transaction-effect approach to the preparation of financial statements with basic bookkeeping minimised. Accounting-method choices are analysed for their effect on the financial statements, and, thus, on decision-making.

#### ACCT1004

##### Management Accounting Concepts Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hrs of lectures/tutorials per week **Prohibitions:** ACCT1001, ACCT1002 **Assessment:** Quizzes; Assignment; Presentation; Final examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Terminating unit.*

**Associated degrees:** B Agr Ec, B Com (Liberal Studies), B E, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B S T, UG Study Abroad Program.

This unit is designed to explain how managers use accounting information, with an emphasis on identifying relevant accounting information for decision-making. Topics include: estimating cost functions, relevant costing, cost allocation, budgeting, short and long term decision making and managing within a changing environment.

#### ACCT1551

##### Accounting Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, B Int S.

#### ACCT2011

##### Financial Accounting A Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2, Summer Early **Classes:** 3 hrs of lectures/tutorials per week **Prerequisites:** ACCT1001 and ACCT1002 and ECMT1010 **Prohibitions:** ACCT2001 **Assessment:** Presentation; Tutorial participation; Research project; Mid-semester examination; Final examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program, UG Summer/Winter School.

This unit examines the accounting and reporting practices of reporting entities, particularly listed public companies. Emphasis is placed on developing an understanding of, and the ability to critically evaluate, the various regulatory requirements (professional and statutory) governing financial reporting. The unit commences with an overview of the financial reporting environment and theories that seek to explain the accounting policy choices of management. This framework provides a basis for examining a range of specific issues in financial accounting. Emphasis throughout the unit is on both the application of specific accounting techniques/rules and the conceptual/theoretical issues associated with alternative accounting methods.

#### ACCT2012

##### Management Accounting A Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs of lectures/tutorials per week **Prerequisites:** ACCT1001 and ACCT1002 **Prohibitions:** ACCT2002 **Assessment:** Quizzes; case study assignment; final examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

This course provides students with an introduction to the basics of management/cost accounting. Areas specifically covered include: cost terms and purposes, cost behaviour, cost-volume-profit analysis, cost

estimation, basic and alternative product costing methods (including activity-based costing), detailed study of the mechanics of the budgeting process (master budgets, flexible budgets, standard costing and variance analysis), decision making using relevant costs/revenues and cost allocation.

#### ACCT2551

##### Accounting Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc.

#### ACCT2552

##### Accounting Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc.

#### ACCT3011

##### Financial Accounting B Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs of lectures/tutorials per week **Prerequisites:** ACCT2011 or ACCT2001 **Prohibitions:** ACCT3001 **Assessment:** Mid-semester examination; group project; final examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, UG Study Abroad Program.

This unit introduces students to accounting for investments in other entities, including controlled and significantly influenced entities. The first part of the course focuses on the process of consolidation, the preparation of consolidated financial statements for corporate groups, including the treatment of goodwill, intra-group transactions and minority interests. The accounting requirements for significantly influenced entities are also studied. Other aspects of group accounting, such as segment disclosures and related party disclosures, are investigated. The first part of the course concludes with a critical analysis of the consolidation process, including the outcomes of the consolidation process and the impact of this upon the user of the consolidated financial statements. The second part of the course focuses on critically evaluating current issues in accounting regulation and practice, such as the politics of the standard-setting process, using accounting for financial instruments as a special case. Finally, voluntary disclosures for social and environmental reporting are considered. This course aims to further develop students' written communication skills and critical and analytic skills within the context of corporate group activities.

#### ACCT3012

##### Management Accounting B Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs of lectures/tutorials per week **Prerequisites:** ACCT2012 or ACCT2002 **Prohibitions:** ACCT3002 **Assessment:** Mid-semester examination; Tutorial work/participation; Presentation; Essay; Final examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Discipline Permission required for students who haven't passed ACCT2012 (or ACCT2002)*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, UG Study Abroad Program.

Management Accounting B deals with the theory and practice of a selection of contemporary management accounting issues. The course begins by examining the influences that impact upon the design of an organisation and its management accounting system. Behavioural factors, rather than technical factors, are highlighted and a range of

organisational settings and management levels are reviewed. The unit then examines advanced issues relevant to operational management accounting. While this section of the course builds on the foundations laid in Management Accounting A, the focus remains on the behavioural implications of accounting techniques for making decisions in organisations.

### ACCT3013

#### Financial Statement Analysis

##### Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hrs of lectures/tutorials per week **Prerequisites:** (ACCT2011 or ACCT2001) and (FINC2011 or FINC2001) **Prohibitions:** ACCT3003 **Assessment:** Tutorial participation; Mid-semester examination; Group case studies; Final examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, UG Study Abroad Program.

Although the appropriate 'form' of financial analysis depends largely on the specific context (e.g. equity investment, credit extension, analysis of supplier/customer health, competitor analysis, regulatory overview or intervention, valuation for takeover/restructuring), many of the techniques of financial analysis are common to each. A primary purpose of this course is to develop an understanding of these techniques, as well as the inherent difficulties in their application. Specific issues addressed include the analysis of business performance and disclosure, the analysis of earnings quality, cash flow assessment, credit worthiness and accounting-based valuation methods.

### ACCT3014

#### Auditing and Assurance

##### Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs of lectures/tutorials per week **Prerequisites:** ACCT3011 or ACCT3001 **Prohibitions:** ACCT3004 **Assessment:** Group audit planning project; Group assignment; Mid-semester examination; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, UG Study Abroad Program.

This unit of study examines the process of auditing and the concepts which underlay the practice. Although the focus of attention is on audits of financial reports undertaken in compliance with the Corporation Act 2001, reference is also made to other forms of audit and assurance. The course is intended to provide an overview of the audit process within the context of Australian Auditing Standards. The course is both practical and theoretical, with students required to apply their knowledge to case studies developed from practice.

### ACCT3031

#### International Corporate Governance

##### Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hrs of lectures/tutorials per week **Prerequisites:** ACCT2011 or ACCT2001 **Assessment:** Group assignments; Mid-semester quiz; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program.

This unit seeks to develop students' ability to understand and critically evaluate the principles of corporate governance and how they are applied in Australia and internationally. Topics include, governance structures - an international perspective; governance arrangements and external and internal stakeholders. Japanese and European systems; governance in Asia; western governance - legal framework; control of the modern corporation; operations of a Board; role of board sub-committees; Boards and the development or endorsement of strategies; measuring and rewarding performance; corporate governance and financial reporting; corporate governance and the audit process.

### ACCT3032

#### Current Issues in Management Accounting

### Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hrs of lectures/tutorials per week **Prerequisites:** ACCT2012 or ACCT2002 **Assessment:** Continuous assessment; In-class essay; Final examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, UG Study Abroad Program.

This unit builds on the fundamentals of management accounting practice (ACCT2012) by introducing a series of advanced management accounting topics such as strategic management accounting, innovation and change in management accounting and designing management accounting systems for new organizational forms. In addition, this unit relaxes the hitherto held assumption that management accounting works in a world characterised by certainty and rationality and instead shows that management accounting more often operates in a world characterised by fuzziness and ambiguity. This real-world view requires students to develop their judgemental skills and to adopt a more critical and reflective approach that challenges their beliefs about how management accounting works in practice.

### ACCT3098

#### Accounting Honours Preparation A

##### Economics and Business

**Credit points:** 3 **Session:** Semester 1 **Classes:** 1 x 1.5 hr seminar per week **Prerequisites:** ACCT2011 or ACCT2001 **Corequisites:** ACCT3011 **Assessment:** Seminar participation; Paper summaries; Paper presentation; Essay; Research Proposal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Entry to this unit of study is at the discretion of the Discipline. Students will require a credit average in previous ACCT units attempted.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, UG Study Abroad Program.

The purpose of this unit of study is to prepare students for entry to the fourth year honours program in accounting. As such, this unit of study has been designed to: first, extend the substantive knowledge of students in relation to financial accounting by examining emerging/advanced issues in relation to theory and practice; second, introduce students to different ways of conducting accounting research, considering extant research mobilising a variety of epistemologies and research methods; and, third, assist students to identify potential topic areas for research and appropriate research questions. The course will be based on a series of readings drawn from the accounting research literature.

### ACCT3099

#### Accounting Honours Preparation B

##### Economics and Business

**Credit points:** 3 **Session:** Semester 2 **Classes:** 1 x 1.5 hr seminar per week **Prerequisites:** ACCT2012 or ACCT2002 **Corequisites:** ACCT3012 **Assessment:** Class participation; Proposal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Entry to this unit of study is at the discretion of the Discipline. Students will require a credit average in previous ACCT units attempted.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, UG Study Abroad Program.

The purpose of this unit of study is to prepare students for entry to the fourth year honours program in accounting. As such, this unit of study has been designed to: first, extend the substantive knowledge of students in relation to management accounting by examining emerging/advanced issues in relation to theory and practice; second, introduce students to different ways of conducting accounting research, considering extant research mobilising a variety of epistemologies and research methods; and, third, assist students to identify potential topic areas for research and appropriate research questions. The course will be based on a series of readings drawn from the accounting research literature.

### ACCT3551

#### Accounting Exchange

## Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc.

### ACCT3552

#### Accounting Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc.

### ACCT3553

#### Accounting Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc.

### ACCT3554

#### Accounting Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc.

### ACCT4101

#### Accounting Honours A Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Major in Accounting with Credit average overall and a distinction average for second and third year units in Accounting **Assessment:** Course work; Thesis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Requirements for the pass degree must be completed before entry to level 4000 honours units of study.*

**Associated degrees:** B Com (Hons), B Ec (Hons).

Honours study within the Discipline is directed at: (i) increasing students' analytic and constructive skills beyond the level acquired in undergraduate Pass level units; (ii) providing a foundation for the conduct of applied research in accounting; and (iii) conducting research in the form of a research report. These skills are developed through the completion of an additional year of study that may be either a full- or a part-time basis, though the former is more common.

### ACCT4102

#### Accounting Honours B Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Major in Accounting with Credit average overall and a distinction average for second and third year units in Accounting. **Corequisites:** ACCT4101 **Assessment:** Course work; Thesis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Ec (Hons).

See ACCT4101

### ACCT4103

#### Accounting Honours C Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Major in Accounting with Credit average overall and a distinction average for second and third year units in Accounting **Corequisites:** ACCT4102 **Assessment:** Course work; Thesis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Ec (Hons).

See ACCT4101

### ACCT4104

#### Accounting Honours D Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Major in Accounting with Credit average overall and a distinction average for second and third year units in Accounting **Corequisites:** ACCT4103 **Assessment:** Course work; Thesis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Ec (Hons).

See ACCT4101

### ACCT9001

#### Accounting Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, B Int S.

### ACCT9002

#### Accounting Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, B Int S.

### ACCT9003

#### Accounting Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, B Int S.

### ACCT9004

#### Accounting Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, B Int S.

### AERO1400

#### Intro to Aircraft Construction & Design Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (two 1hr lec & one 3hr prac session) per week **Assessment:** In-course involvement, assignments and quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

This unit aims to introduce and foster practical engineering skills in students newly enrolled in the degree of Bachelor of Engineering (Aeronautical).

At the end of this unit student will be able to actively participate in the construction and design of a light aircraft. The aircraft is to be constructed under current Civil Aviation Regulations so that students will gain an insight into all aspects of the process. By being a part of the construction team students will also experience the organisational requirements necessary to successfully complete a complex engineering project. The final outcome will be that students gain an understanding of: Light aircraft design methods; Innovative methods of construction; Techniques for selecting, sizing and stressing components; Regulatory requirements for certification; Off-Design requirements; Construction tolerances; Team-work requirements in undertaking complex engineering projects.

Course content will include Introduction to aircraft design and construction methods; fibreglass molding of complex components; bonding and glueing; structural reinforcement; manufacture of metal components; wooden components; aircraft grade materials; welding; riveting; bolting and other fasteners. Investigation of a typical aircraft configuration; component layout; alternate configurations; weight penalties or gains. Requirements for ancillary equipment; aircraft instruments; accuracy of instruments; engine and propeller selection; fuel system; navigation and communication systems. Aviation regulation; process of aircraft certification; aircraft categories; performance measurement and requirements; weight and balance; centre of gravity requirements.

### AERO1560

#### Introduction to Aerospace Engineering Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (Two 1hr lec, one 1hr tut, one 3hr lab) per week **Prohibitions:** MECH1560 Introduction to Mechanical Engineering, MTRX1701 Mechatronics Engineering Introductory **Assessment:** Assignments, practical work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E.

This unit aims to develop an understanding of the role of aerospace engineers within industry, along with the overlying fundamentals of aerospace vehicle design, analysis performance and operation; skills in working in groups, communication and presentation of information; understanding of the fundamentals of vehicle manufacture, construction, servicing and repair; skills working with machine tools and hand tools.

Course content will include a glossary of terms for aerospace vehicles and their components; a brief introduction to aerodynamics, astronautics, aircraft and spacecraft performance; mechanics of flight, aerospace structures, materials and propulsion systems; the operating characteristics of modern vehicles, their uses and limitations; modern developments in aerospace; future trends, mass transport vehicles, aerospace planes, orbital vehicles; the limitations of the aerospace environment.

At the end of this unit student will have an understanding of: Workshop Practice. Fitting: measurement, measuring tools, marking tools, holding tools, hammers, cutting tool materials, cutting tool shapes, the machine tools: lathe, mill, grinder, drill, shaper, deburring and finishing operations. Welding: welding processes, distortions, flame cutting, resistance welding. Problems of welding aircraft materials. Heat treatment: definition and importance of heat treatment, forging, normalising, hardening, case hardening, stress relief. Fasteners: types of fasteners for aircraft, riveted, bolted, bonded, locking of fasteners. Maintenance: requirements for various aircraft components, engine overhaul, component life, lubrication, patches and repairs, serviceability of components.

#### Textbooks

#### Reference

Jane's All the World's Spacecraft (Annual)  
Jane's All the World's Aircraft (Annual)  
Stinton The Anatomy of the Aeroplane (Collins, 1985)  
Cutler Understanding Aircraft Structures (BSP Professional, 1988)

### AERO2703

#### Aerospace Technology 1 Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (One 3hr lec/workgroup/demo session and one 2hr lab/tut session) per week **Assumed knowledge:** AERO1560 **Assessment:** Assignments; examination; group work; oral presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to develop in students an understanding of the background technologies and processes that are involved in the design, construction and operation of Aerospace vehicles.

At the end of this unit students will be able to select and use appropriate instrumentation to suit measurement and analysis needs for a wide range of Aerospace problems. Students will be able to

design and carry out calibration and validity checking experiments for such equipment. Students will become aware of the regulatory and liability requirements relating to all aspects of the Aerospace industry. Students will be able to carry out weight and balance checks on aircraft configurations, estimate performance parameters for the operation of aircraft and specify optimum flight conditions for any particular configuration.

Course content will include a survey of current practice in aviation measurement and instrumentation. The environment for aircraft operation. Introduction to pressure, velocity and force measurement devices; anemometers; transducers and accelerometers. Use of computer data acquisition systems; filtering; signal processing; A/D conversion. Signal post processing; mean; standard deviation; analysis using FFT's. Calibration of measurement devices. Civil Aviation regulations and airworthiness standards. Certification procedures. Standards. Weight and Balance control. Aircraft performance; take-off, climb; cruise; descent; landing; range and endurance. Manoeuvre performance. Mission Profiles and their relevance to an optimised design.

### AERO2705

#### Space Engineering 1 Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (One 3hr lec/tut/demo and one 2hr tut session) per week **Prerequisites:** AERO1560 (or MECH1560 or MTRX1701), MATH1001, MATH1002, MATH1003 and either MATH1004 or MATH1005 (or the advanced versions of the MATH units) **Assessment:** Assignments and examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to introduce students to the terminology, technology and current practice in the field of Space Engineering.

At the end of this unit students will be able to: identify and predict various orbits and trajectories for space craft; use appropriate instrumentation to suit measurement and analysis needs for a wide range of satellite operational problems. Students will become aware of the regulatory and liability requirements relating to all aspects of the Space industry.

Course content will include a survey of current practice in space engineering; Introduction to the technology required to enable successful operation of space vehicles; Launch system basics; basic flight mechanics and orbital mechanics; Vehicle stability and control; Introduction to spacecraft subsystems; attitude control, structures, thermal loading, mechanisms, power generation and storage, propulsion; liquid and solid rockets; Basic properties of the electro-magnetic environment in space; Introduction to Maxwell's equations; Application to analogue electronics, data acquisition systems; filtering; signal processing, amplification and signal transmission; Digital systems, A/D conversion, signal post processing; mean; standard deviation; analysis using FFT's; Encoding and decoding, error detection and correction; Basic Space Law and legislative issues; The Outer Space Treaty; The Space Activities Act; Standards.

### AERO2711

#### Space Engineering Project 1 Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Project work and the design of a Satellite or Launch Vehicle Sub-system. **Prerequisites:** Completed the junior years (first 2 years) of Aero(Space), Mechanical(Space) or Mechatronics(Space) Engineering. A WAM of > 75% is required as well as departmental permission from the Space Engineering Coordinator. **Assessment:** Final written report and an oral presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E, UG Summer/Winter School.

This unit of study aims to develop deeper practical knowledge in the area of Space systems engineering. Students who take this subject would be interested in developing design skills by working on the sub-system of a real satellite or launch vehicle. As the introductory element to the Space Engineering Projects, this unit allows students

to develop a deeper appreciation for the complexities of designing space systems, and if completed successfully will allow the student to take further Space Engineering Projects towards the sub-systems actual development.

### AERO3260

#### Aerodynamics 1

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Three 1hr lec & one 2hr tut/lab/demo session) per week. **Prerequisites:** AERO2201 or MECH2202 or AMME2200 **Assessment:** Assignments, lab reports and examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to develop in students a knowledge of the complex behaviour of airflow in the case of two dimensional aerofoil sections and three dimensional wings. To encourage hands-on experimentation with wind-tunnel tests to allow an understanding of these concepts and their range of applicability.

At the end of this unit students will be able to: predict flow properties for general aircraft wing sections to obtain lift, drag and pitching moment; extrapolate section results to predict full three dimensional wing behaviour; undertake experiments and analyse data to verify theoretical predictions; construct simple computer algorithms that will allow more complex geometries to be solved; understand the limitations of theory and the effect of second order parameters (Reynolds number, Mach Number) to the primary flow properties.

Course content will include: construction and designation of two dimensional aerofoil sections; point vortex model of aerofoil; Joukowski transformation theory; thin aerofoil theory; linear lift properties for sections; limiting effects such as stall; calculation of pitching moment coefficient; methods for estimation of boundary flow and friction drag calculations; viscous-inviscid panel method numerical solutions; modelling of three dimension wing flows; lifting line theory and vortex lattice method.; effects of downwash, aspect ratio, sweep angle and asymmetry.

### AERO3261

#### Propulsion

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Three 1hr lec & one 2hr tut) per week **Prerequisites:** AMME2200 or (MECH2201 and (AERO2201 or MECH2202)) **Assessment:** Assignment, report and examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to develop an understanding of the modern techniques used for aircraft propulsion. Students will gain skills in problem solving for aircraft propulsion systems ranging from propellers, gas-turbine engines to rockets.

This unit of study teaches the students the techniques used to propel aircraft and rockets. The students will learn to analyse various propulsion systems in use: propellers, gas turbines, rocket motors.

Course content will include: Propulsion unit requirements subsonic and supersonic flight; thrust components, efficiencies, additive drag of intakes; Piston engine components and operation; Propeller theory; Operation, components and cycle analysis of gas turbine engines, turbojets, turbofans, turboprops, ramjets; Components: compressor; fan; burner; turbine; nozzle, efficiency of components; off-design considerations; Operation, components and thermodynamics of rocket motors; Dynamics of rocket flight, orbital velocity; staging; Future directions; minimisation of noise and pollution; sub-orbital propulsion systems; scram-jets; hybrid engines.

### AERO3360

#### Aerospace Structures 1

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (3 lec and 1 tut) per week **Prerequisites:** (AMME2301 or AERO2300) and one of (MATH2061 or MATH2067 or (MATH2001 and MATH2005)) **Assessment:** Assignments and examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to develop a student's understanding of the theoretical basis of advanced aerospace structural analysis; and introduce students to the solution of real-world aircraft structural problems. This unit of study will develop the following attributes: An understanding of the derivation of the fundamental equations of elasticity and their application in certain analytical problems; An understanding of plate theory and the ability to use this to obtain analytical solutions for plate bending and buckling problems; An understanding of energy-method solution techniques for structural problems; An understanding of the basic principals behind stressed-skin aircraft construction and the practical analysis of typical aircraft components, including the limitations of such techniques.

At the end of this unit students will have an understanding of: 2-D and 3-D elasticity: general equations and solution techniques; Energy methods in structural analysis, including the principles of virtual work and total potential and complimentary energies; Fundamental theory of plates, including in-plane and bending loads as well as buckling and shear instabilities; Solution techniques for plate problems including: Navier solutions for rectangular plates; Combined bending and in-plane loading problems; Energy methods for plate-bending; and Plate buckling for compression and shear loadings; Bending of beams with unsymmetrical cross-sections; Basic principals and theory of stressed-skin structural analysis; Determination of direct stresses and shear flows in arbitrary thin-walled beams under arbitrary loading conditions including: Unsymmetrical sections, Open and closed sections, Single and multi-cell closed sections, Tapered sections, Continuous and idealized sections; The analysis of common aircraft components including fuselages, wings, skin-panels, stringers, ribs, frames and cut-outs; The effects of end constraints and shear-lag on the solutions developed as well as an overall appreciation of the limitations of the solution methods presented.

### AERO3460

#### Aerospace Design 1

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (Lec 2hrs and Tut 3hrs) per week **Prerequisites:** AMME2301 or AERO2300; MATH1001; MATH1002; MATH1003 **Assessment:** Assignments and quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to introduce students to the theory and practice of aircraft structural component design. In doing so it will emphasize all the considerations, trade-offs and decisions inherent in this process and thus enable students to gain an understanding of why aircraft structures are designed in the way they are with respect to structural, manufacturing and cost considerations.

At the end of this unit students will be able to understand the design process, especially as it applies to aircraft structural component design; Have a familiarity with some of the practice of aircraft component structural design; An increasing familiarity with typical aircraft structural paradigms and how they work and can be analysed along with the primary failure modes that need to be considered; An understanding of the importance of different failure modes for different components and how these relate to load-conditions and understanding of some of the legal and ethical requirements of aircraft design engineers; A basic understanding of the regulatory framework in which aircraft design is conducted.

### AERO3465

#### Aerospace Technology 2

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (One 4hr session and one 2hr session of lec, tut and prac) per week **Prerequisites:** AERO1560 or AERO1701; MECH2400; AMME2301 or AERO2300 **Assumed knowledge:** AERO1400; AMME2302 **Assessment:** Assignment, Design-built-Test Module, Lab tasks. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to develop an understanding of the aerospace industry procedures for design, analysis, and testing of aircraft and aerospace vehicle components. To provide a Design-Build-Test experience in putting into practice learning outcomes from this and other previously completed units of study by working on a small structure which is representative of a typical light metal aircraft. To provide an introduction to composite materials and structures for aerospace vehicles. To provide an introduction to fatigue and damaged tolerance analysis of metallic aircraft structures. To provide skills and knowledge in structural testing methods, procedures, techniques, and equipment. At the end of this unit students will have gained practical skills relevant to working on typical modern aircraft and aerospace vehicle components. They will learn from methods, techniques, and experiences from the modern aerospace industry. Experiential learning outcomes through verifying analyses with actual testing of fabricated component and the experience of a full design-build-test cycle of a typical aircraft structural component.

Course content will include design methods, internal loads calculations, stress analysis, design for manufacture; joints and fasteners; test procedures; fatigue and damage tolerance; composites; the art of design.

### AERO3560

#### Flight Mechanics 1

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Lec 3hrs, Tut 2hrs) per week. **Prerequisites:** MECH2500 or AMME2500 **Assessment:** Major project, flight simulation, assignments and examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to develop an understanding of aircraft longitudinal equilibrium, static stability, dynamic stability and response. Students will develop an understanding of the importance and significance of flight stability, will gain skills in dynamic system analysis and will learn mathematical tools used for prediction of aircraft flight behaviour. Students will gain skills in problem solving in the area of flight vehicle motion, and learn the fundamentals of flight simulation.

At the end of this unit students will be able to understand: aircraft flight conditions and equilibrium; the effects of aerodynamic and propulsive controls on equilibrium conditions; the significance of flight stability and its impact of aircraft operations and pilot workload; the meaning of aerodynamic stability derivatives and their sources;

the effects of aerodynamic derivatives on flight stability; the impact of flight stability and trim on all atmospheric flight vehicles, including launch and re-entry of space vehicles. Students will also be able to model aircraft flight characteristics using computational techniques and analyse the aircraft equations of rigid-body motion and to extract stability characteristics.

Course content will include static longitudinal aircraft stability: origin of symmetric forces and moments; static and manoeuvring longitudinal stability, equilibrium and control of rigid aircraft; aerodynamic load effects of wings, stabilisers, fuselages and power plants; trailing edge aerodynamic controls; trimmed equilibrium condition; static margin; effect on static stability of free and reversible controls.

### AERO3660

#### Aerospace Management

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** One 3hr session and one 2hr session of lec/tut/prac per week **Assessment:** Assignments, reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to develop an understanding of the current state of aerospace manufacturing for the Australian aviation industry. Students will gain skills in aerospace engineering management.

At the end of this unit students will be able to apply risk management skills to a variety of industry situations and use appropriate methodology to manage these situations. Students will also become proficient in

the use of Project Management tools and learn how to apply them to industry standard problems.

Course content will include principles and practice of aviation and airline management; discussion and analysis of airline operations; flight safety and airworthiness standards; risk and reliability management.

### AERO3711

#### Space Engineering Project 2

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Project work and the design and development of a prototype Satellite or Launch Vehicle Sub-system. **Prerequisites:** AERO2711 Space Engineering Project 1; a WAM of > 75% is required as well as departmental permission from the Space Engineering Coordinator. **Assessment:** Oral presentation and critique of the prototype design. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E, UG Summer/Winter School.

This unit of study is for those students who have completed Space Engineering Project 1, and who wish to extend their design into the prototype phase. Students who take this subject would be interested in manufacturing a sub-system for a real satellite or launch vehicle. This unit allows students to develop a deeper appreciation for the complexities of designing and building space sub-systems, and if completed successfully will allow the student to take further Space Engineering Projects towards the final development of a sub-system ready for launch.

### AERO3760

#### Space Engineering 2

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (One 2hr lec & one 3hr tut) per week. **Prerequisites:** AERO2705 or AERO2702 **Assessment:** Assignments, group work, log book **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E.

This unit aims to provide students with a learning environment that promotes systems thinking and allows students to develop skills in systems analysis and design. In particular the unit will focus on Aerospace systems, and students will develop both theoretical and practical skills in the area of systems engineering for this discipline. The primary objective is to develop fundamental systems engineering and systems thinking skills.

At the end of this unit students will be able to: define the requirements process and be able to apply it to aerospace systems design.; conduct requirements analysis for an aerospace system and to drill down through requirements breakdown and the use of the V-diagram in this analysis; conduct functional and technical analysis and determine design drivers in a system; manage the use of a log book and its application in engineering design; develop technical skills in the design and development of satellite subsystems; conduct appropriate interaction processes between team members for the successful achievement of goals.

Course content will include fundamentals of systems engineering; satellite subsystems; systems design.

### AERO4206

#### Rotary Wing Aircraft

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour Lectures and one 2 hour Tutorial per week **Prerequisites:** AERO3260 Aerodynamics 1 **Assumed knowledge:** Material as covered in ThermoFluids, year 2 and Aerodynamics 1 and Flight Mechanics 1, year 3. **Assessment:** Assessment semester project based assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to develop an understanding of the theory of flight, design and analysis of helicopters, auto-gyros and other rotary wing aircraft. Students will gain an appreciation of the extra difficulties involved when the vehicle flow is cyclic in nature.

At the end of this unit students will be able to: Identify and predict the various flow states of a generic lift producing rotor; Use appropriate methods to determine the forces and torques associated with the rotor; Estimate values for typical stability derivatives for helicopters and be able to construct a simple set of stability analysis equations for the vehicle; become aware of the regulatory and liability requirements relating to all aspects of commercial helicopter operation and maintenance.

Unit content will include introduction to rotary wing aircraft; vertical flight performance; forward flight performance; blade motion and control; dynamics of rotors; rotor-craft stability and control; rotor blade design; mechanical reliability; alternate or innovative rotary wing vehicles.

#### Textbooks

#### Reference

Bramwell Helicopter Dynamics (Arnold)

Gessow and Myers Aerodynamics of the Helicopter (McMillan)

### AERO4260

#### Aerodynamics 2

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Lec 3hrs & Tut 2hrs) per week. **Prerequisites:** AMME2200 or (MECH2201 and (AERO2201 or MECH2202)) **Assumed knowledge:** MECH3261 or AERO3260 **Assessment:** Assignments and examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to introduce students to: elementary and advanced topics in Gasdynamics (High Speed Flows); Physical aspects of gas flows at subsonic and supersonic flows will be brought out. Formation and propagation of shocks and other features will be explained. Equations for shock, expansion waves and other phenomena of high speed flow will be developed; Advanced topics covered include Method of Characteristics, Unsteady Flows, Transonic and Hypersonic Flows.

At the end of this unit the student will be able to calculate a high speed flow about an aerofoil and compressible flow through a duct of varying cross section and will have a good appreciation of Transonic and Hypersonic Flows.

the student to elementary and advanced topics in Gasdynamics (i.e., High Speed Flows); physical aspects of gas flows at subsonic and supersonic flows will be brought out; formation and propagation of shocks and other features will be explained; equations for shock, expansion waves and other phenomena of high speed flow will be developed.

At the end of the course, the student will be able to calculate a high speed flow about an aerofoil and compressible flow through a duct of varying cross section. The student will have a good appreciation of Transonic and Hypersonic Flows.

Course content will include review of Equations of Gasdynamics; One-Dimensional Gas Flow, Isentropic Flows, Normal Shock, Flow in A converging and a Converging-Diverging Nozzle; Steady two-dimensional supersonic flow; shock waves; normal and oblique; method of characteristics; Two-dimensional supersonic aerofoils. Introduction to three-dimensional effects; Unsteady Flows, Moving Shock, Shock Tube Flow; Transonic Flow, Compressible Boundary Layers, Approximate.

### AERO4360

#### Aerospace Structures 2

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (One 2hr lec, one 1hr lec/tut, one 3hr lab session) per week. **Prerequisites:** (AMME2301 or AERO2300) and (AERO3360 or AERO3301) **Assumed knowledge:** An understanding of aerospace structural designs (AERO3465). **Assessment:** Assignments, major project, quizzes and examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to teach fundamentals of modern numerical and analytical techniques for evaluating stresses, strains, deformations and strengths of representative aerospace structures. In particular

the focus is on developing an understanding of: Fundamental concepts and formulations of the finite element methods for basic structural analysis; Elements for typical aerospace structures, such as beams/frames, plates/shells, and their applications and limitations; Finite element techniques for various types of problems pertinent to aerospace structures; d)and, developing hands-on experience of using selected commercial finite element analysis program.

At the end of this unit students will have covered: Introduction to Finite Element Method for modern structural and stress analysis; One-dimensional rod elements; Generalization of FEM for elasticity; Two- and three-dimensional trusses; FEA for beams and frames in 2D and 3D; Two-dimensional problems using constant strain triangular elements; The two-dimensional isoparametric elements; Plates and shells elements and their applications; FEA for axisymmetric shells and pressure vessels, shells of revolution; FEA for axisymmetric solids subjected to axisymmetric loading; FEA for structural dynamics, eigenvalue analysis, modal response, transient response; Finite element analysis for stress stiffening and buckling of beams, plates and shells; Three-dimensional problems in stress analysis; Extensions to the element library, higher order elements, special elements; Constraints; FEA modeling strategy; FEA for heat conduction; FEA for non-linear material and geometric analysis.

### AERO4460

#### Aerospace Design 2

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** One 3-hour lecture and one 2-hour tutorial per week **Prerequisites:** MECH2400; AERO3460 or (AERO3450 and (AERO3400 or AERO3401)) **Assumed knowledge:** AERO1400 Introduction to Aircraft Construction and Design and AERO3465 **Assessment:** Group work, design reports and presentations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to develop an understanding of the application of design to the modern aerospace industry. Students will gain an overview of how to manage a design team and will also gain skills in carrying out detailed design problems.

Course content will include: Design requirements; Sources of information for aircraft design; Configuration design: performance, weight and balance, propulsion; Aerodynamic design: lift, drag and control; Structural design: loads, materials; Philosophies of design and analysis; System design: requirements and specification; System design procedures; systems integration.

#### Textbooks

Torenbeek, "Synthesis of Subsonic Airplane Design" (Delft UP)

Roskam, "Airplane Design Parts 1 to 8" (DA Rcopr)

Raymer, "Aircraft Design: A Conceptual Approach" (AIAA Edu)

Jenkinson & Marchman, "Aircraft Design Projects for Engineering Students" (Butterworth-Heinemann)

Fielding, "Introduction to Aircraft Design" (Cambridge).

### AERO4491

#### Advanced Aircraft Design

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 3hr design classes per week. **Prerequisites:** MECH2400 Mechanical Design 1, AERO3460 Aerospace Design 1 and AERO4460 Aerospace Design 2 **Assumed knowledge:** AERO1400 Introduction to Aircraft Construction and Design, AERO2703 Aerospace Technology 1, AERO3260 Aerodynamics 1, AERO3261 Propulsion, AERO3360 Aerospace Structures 1, AERO3465 Aerospace Technology 2, AERO3560 Flight Mechanics 1 **Assessment:** Design reports and presentations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to develop an understanding of the application of design to the modern aerospace industry. Students will gain an overview of how to manage a project and its associated design team and will also gain skills in setting design specifications and carrying out detailed design analysis.

Course content will include: Advanced design method; Methods of processing information for aircraft design: Detailed configuration design: performance, weight and balance, propulsion; Aerodynamic



design: lift, drag and control; Advanced structural design, loads, materials; Weight estimation and fulfilling of regulatory requirements; Advanced system design, modern aircraft requirements and specification; Glass cockpit design, systems integration and validation.

#### Textbooks

Reference books:

Torenbeek Synthesis of Subsonic Airplane Design (Delft UP) Roskam, "Airplane Design Parts 1 to 8" (DA Rcopr)

Raymer, "Aircraft Design: A Conceptual Approach" (AIAA Edu)

Jenkinson & Marchman, "Aircraft Design Projects for Engineering Students" (Butterworth-Heinemann)

Fielding, "Introduction to Aircraft Design" (Cambridge).

### AERO4560

#### Flight Mechanics 2

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** Lec 2hrs & Tut 3hrs per week

**Prerequisites:** AERO3500 or AERO3560; (MECH3500 and MECH3800) or AMME3500

**Assessment:** Assignments and examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to develop an understanding of the application of flight mechanics principles to modern aircraft systems. Students will gain skills in problem solving in the areas of dynamic aircraft behaviour, aircraft sensitivity to wind gusts, control systems development and aircraft handling analysis.

At the end of this unit students will be able to: Understand the nature of an aircraft's response to control inputs and atmospheric disturbances, including the roles of the various modes of motion; Analyse an aircraft's response to control inputs in the frequency domain using Laplace Transforms and Transfer Function representations; Represent and model wind gust distributions using stochastic methods (Power Spectral Density); Analyse an aircraft's response to disturbances (wind gust inputs) by combining Transfer Function representations with gust PSD's; Understand the principles of stability augmentation systems and autopilot control systems in aircraft operation, their functions and purposes; Understand basic feedback control systems and classical frequency domain loop analysis; Understand the characteristics of closed loop system responses; Understand the characteristics of PID, Lead, Lag and Lead-Lag compensators, and to be competent in designing suitable compensators using Bode and Root-locus design techniques; Design multi-loop control and guidance systems and the reasons for their structures.

#### Textbooks

Franklin, G. F., Powell, J. D., and Emami-Naeini, A., Feedback Control of Dynamic Systems, 4th Ed, Prentice-Hall, 2002.

D'Azzo, J. J. and Houpis, C. H., Linear Control System Analysis and Design, Conventional and Modern, 4th Ed, McGraw-Hill, 1995.

Hoak, D. E., Finck, R. D., et al., USAF Stability and Control Datcom, Flight Control Division, Air Force Flight Dynamics Laboratory, Wright-Patterson Air Force Base, Ohio, 1978. Reprinted by Global Engineering Documents, 1992. Engineering Sciences Data Sheets, Aeronautical Series, Engineering Sciences Data Unit, various dates.

Etkin, B., Dynamics of Atmospheric Flight, John Wiley & Sons, 1972.

Nelson, R. C., Flight Stability and Automatic Control, McGraw-Hill, 1989.

Roskam, J., Airplane Flight Dynamics and Automatic Flight Controls, Roskam Aviation and Engineering Corporation, 1982.

### AERO4591

#### Advanced Flight Mechanics

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (3 lec & 2 tut) per week

**Prerequisites:** AERO3500 or AERO3560; (MECH3500 and MECH3800) or AMME3500; AERO4501 or AERO4560 **Assessment:** Major project. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to develop an understanding of the development of modern flight control, guidance, and navigation systems. Students will gain skills in analysis, problem solving and systems design in the areas of aircraft dynamic system identification and control.

At the end of this unit students will be able to: understand the principles of stability augmentation systems and autopilot control systems in

aircraft operation, their functions and purposes; understand the characteristics of closed loop system responses; understand advanced feedback control systems and state-space design techniques; understand the concepts of parameter and state estimation; design observers in the state space and to implement a Kalman Filter; be comfortable with multi-loop control and guidance systems and the reasons for their structures; appreciate flight test principles and procedures and to be capable of implementing a flight test programme.

#### Textbooks

Stevens and Lewis, Aircraft Control and Simulation (McGraw-Hill, 1995)

Blakelock, Automatic Control of Aircraft and Missiles - 2nd Edn. (Wiley 1991)

Franklin, G. F., Powell, J. D., and Emami-Naeini, A., Feedback Control of Dynamic Systems, 4th Ed, Prentice-Hall, 2002.

Franklin, G. F., Powell, J. D., and Workman, M. L., Digital Control of Dynamic Systems, 2nd Ed, Addison-Wesley, 1990.

D'Azzo, J. J. and Houpis, C. H., Linear Control System Analysis and Design, Conventional and Modern, 4th Ed, McGraw-Hill, 1995.

Etkin, B., Dynamics of Atmospheric Flight, John Wiley & Sons, 1972.

### AERO4701

#### Space Engineering 3

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (One 2hr lec and one 2-3hr tut) per week **Prerequisites:** (AERO3560 or AERO3500) and (AERO3760 or AERO3700) and (AMME3500 or MECH3800) **Assessment:** Assignments.

**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to teach the fundamentals of Inertial Navigation techniques as applied in the Aerospace field. In particular the focus is on developing an understanding of: Inertial navigation equations which provide information about the position, velocity and attitude of aerospace vehicles; Inertial sensors, their function, and how errors in the sensors and the algorithms impact on the navigation solutions; The basic concepts behind the control of position and velocity of a spacecraft (Orbital Mechanics) and more detailed analysis of the control of attitude of a spacecraft (Attitude Determination and Control (ADC).

At the end of this unit students will be able to: derive the fundamental inertial navigation equations; understand the dynamics of the inertial navigation equations and how the various components within the algorithm interact with one another; implement the inertial navigation equations both with simulated and real data; understand what errors are commonly associated with inertial navigation and how they impact on navigation performance; appreciate that other external sensors are normally used to constrain errors associated with inertial navigation; understand how control of the attitude of spacecraft requires sensing as part of the feedback process, and that this comes predominately from the inertial navigation system; implement close loop control systems, with inertial feedback, in the attitude control of a spacecraft.

### AERO4711

#### Space Engineering Project 3

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Project work and the final design and development of a Satellite or Launch Vehicle Sub-system.

**Prerequisites:** AERO3711 Space Engineering Project 2; a WAM of > 75% is required as well as departmental permission from the Space Engineering Coordinator. **Assessment:** Final report and critique of the sub-system design.

**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E, UG Summer/Winter School.

This unit of study is for those students who have completed Space Engineering Projects 2, and who wish to formalise their design into the launch phase. Students who take this subject would be interested in manufacturing the final sub-system for a real satellite or launch vehicle. This unit allows students to develop a deeper appreciation for the complexities of designing and building space sub-systems, and provide an opportunity for the actual launch of the sub-system. Launch of the sub-system will be dependent on the current opportunities existing with international collaborators.

## AERO4712

### Space Engineering Project 4 Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Project work and the final development and integration of a Satellite or Launch Vehicle Sub-system. **Prerequisites:** AERO4711 Space Engineering Project 3; a WAM of > 75% is required as well as departmental permission from the Space Engineering Coordinator. **Assessment:** Final report and critique of design for insertion of the sub-system into the actual Satellite or Launch Vehicle. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B E, UG Summer/Winter School.

This unit of study is for those students who have completed Space Engineering Projects 3, and who wish to finalise their design by developing the interfacing and insertion phases into Satellite or Launch Vehicle system. Students who take this subject would have completed the previous three Space Engineering Projects, and have been provided with the opportunity to place their system into an actual system. Launch of the sub-system will be dependent on the current opportunities existing with international collaborators.

## AFNR1001

### The Rural Environment Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Daniel Tan **Session:** Semester 1 **Classes:** (2 lec, 1 tut, 2 prac)/wk **Assessment:** On-line assessment (problem based learning), practical reports and plant collection, practical tests, two hr final exam. **Practical field work:** Field practical sessions allow 'hands-on' experience with agronomy and animal husbandry **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B An Vet Bio Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc Agr, UG Study Abroad Program.

This unit allows students to discuss Australian rural production and the Australian environment, their interrelation, the issues agriculture and the environment face for the future and the context in which this takes place. It is a core unit for students in BScAgr, BHortSc, BLWSc, BAnVetBioSc and is the main introductory unit for further studies in the Faculty. For studies in the area of Agriculture and Natural Resources, it is important to be able to identify and describe common domestic animals, crops and weeds, broad acre production systems, key environmental issues and to be able to discuss their significance. Students completing this unit of study will be able to relate the Australian environment to opportunities and limitations for agronomy, animal husbandry and native animal and plant species, partly through problem based learning (PBL) in relation to a topical rural issue. In addition students will practice the identification of economic plant species and explore the ecology of pests and weeds and related integrated management practices. Through the problem based activities, students will learn valuable research skills and how to critically assess sources of information through library and database research. Through the production of reports and essays, students can demonstrate academic writing and recognise the importance of academic honesty.

#### Textbooks

Pearson CJ, Cunningham GM and King DH (1993). 'A Plain English Guide to Agricultural Plants.' (Longman Cheshire: Melbourne)  
Pratley JE (Ed) (2003). 'Principles of Field Crop Production.' (Oxford University Press: South Melbourne)  
Reid RJ (Ed) (1990). 'The Manual of Australian Agriculture.' (Butterworths: Sydney).

## AFNR1002

### Climate and the Environment Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Daniel Tan **Session:** Semester 2 **Classes:** (2 lec, 1 tut & 2 prac)/wk **Assessment:** On-line assessments (problem based learning), laboratory reports and web activities, 2 hr final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B An Vet Bio Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc Agr, UG Study Abroad Program.

This unit allows the students to discover how climate influences the biophysical and biotic environment and how this affects rural production, native and domestic animals, crops and pastures, native

vegetation and pest populations; it also highlights the importance of physics in solving problems in relation to climate and rural production. It is a core unit for students in BScAgr, BHortSc, BLWSc, BAnVetBioSc, builds on knowledge gained in AFNR1001 and lays the basis for studies in the biophysical area of the Faculty. For studies in the area of Agriculture and Natural Resources, it is important to develop knowledge and quantitative skills in the basic physical principles and the main drivers for climate and climate change in an agricultural context. Students completing this unit of study will be able to reflect on the ecosystem interactions between animals, plants and the biophysical environment. In addition, students will experiment with how changes in climate and spatial climate variability can affect animal and pest populations, vegetation densities and cropping patterns and its relation to management decisions. Using problem based activities, students will learn valuable research skills and to critically assess sources of information through library and database research. Students will demonstrate academic writing by producing reports and essays and recognise the importance of academic honesty.

#### Textbooks

Denny MW (1993) 'Air and Water: the Biology and Physics of Life's Media (Princeton University Press).

## AFNR4001

### Professional Experience Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Ms Lynn Henry, Dr Damien Field and the Dean of the Faculty **Session:** Semester 2 **Classes:** 4 workshops 3 hours each over 4 years **Assessment:** One 2hr exam, 2 (multi media) case studies (equivalent to 4000 words), 4 blog postings (1000 words total). **Practical field work:** 60 days of professional experience, 1 weeklong excursion **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Hort Sc, B L W Sc, B Res Ec, B Sc Agr.

This unit of study is designed to allow students to critically reflect on the relationship between the rural enterprise and environment and how they can contribute to the future decisions and management affecting rural community. It is a core unit of study in 4th year for the BAgEc, BScAgr, BLWSc, BResEc, BHortSc which requires students to complete 60 days of professional experience with the expectation that students will examine the nature of facts from their degree in this environment. The unit will be counted towards 4th year, but professional experience placements will normally be undertaken throughout the degree (full details are available in the Faculty handbook). The Professional Experience program has been developed to enable students to experience range of activities, such as research, extension, on-farm and industry both in the rural and urban to complement their learning within their individual degree programs. Specific emphasis will also be placed on students reflecting on their personal and professional development through these experiences. On completing this unit, students will be able to integrate their broad range of knowledge of the rural environment and enterprises with theories and concepts from across disciplines. Students will be able to use these new understandings to support and guide the future developments in the rural enterprise. This would require the students to critically reflect on the pivotal relationships between the academic degree, rural environment, professional experience, and beliefs and values of the rural community. By developing and presenting the portfolio and engaging in other online activities the students will enhance their skills in inquiry, information literacy and communication. In particular the autonomous development of case studies reflecting the contemporary issues in agriculture the students will have to consider their understandings of ethical, social and professional issues and further develop the personal and intellectual autonomy.

## AFNR4101

### Research Project A Agriculture, Food and Natural Resources

**Credit points:** 12 **Teacher/Coordinator:** Dr Lindsay Campbell **Session:** Semester 1 **Classes:** No formal classes, approx 18h per week **Prerequisites:** [HORT3005 and GENE2001 and PPAT3003 and PLNT3001/3901 and PLNT3002/3902] or [LWSC3005 and SOIL3008 and SOIL2004 and BIOM3006] or [AGCH3025 and PPAT3003 and SOIL2004 and AGRO3004] or AGRO3002

or SOIL3004 or LWSC3004 or HORT3005 or PPAT3003 **Assessment:** Oral presentation, literature review. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hort Sc, B L W Sc, B Sc Agr.

This unit aims to develop a student's ability to undertake a major research project in an area of specialization. The unit builds on theoretical and applied knowledge gained across most of the units of study undertaken throughout their degree program. This unit is a corequisite with AFNR4102 and each student will work with an academic supervisor in an area of specialization and develop a well defined research project to be executed. The research project is undertaken to advance the students ability to build a well-developed research skills, a strong analytical capacity, and the ability to provide high quality research results demonstrating a sound grasp of the research question. Working with an academic supervisor students will develop their ability to define a research project including the producing testable hypotheses, identifying existing knowledge from reviewing the literature and the design and execution of a research strategy towards solving the research question. Students will build on their previous research and inquiry skills through sourcing a wide range of knowledge to solve the research problem and enhance their intellectual and personal autonomy by means of the development of experimental programs. Students will improve their communication skills through oral presentation of their research project proposal and the writing of a comprehensive literature review.

### AFNR4102

#### Research Project B

#### Agriculture, Food and Natural Resources

**Credit points:** 12 **Teacher/Coordinator:** Dr Lindsay Campbell **Session:** Semester 2 **Classes:** No formal classes, approx 18h per week **Prerequisites:** AFNR4101 **Assessment:** Oral presentation, research paper. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hort Sc, B L W Sc, B Sc Agr.

This unit is a continuation of the major research project initiated in AFNR4101 and continues to build on theoretical and applied knowledge gained across most of the units of study undertaken throughout their degree program. Working with their academic supervisor in the area of specialization the student will continue to pursue the defined research project towards presenting final results and conclusions. The research results are presented in a format of a research paper as submitted to a research journal. The research paper and corrected literature review is combined and presented together as a thesis. Students will continue to build their research skills, develop strong analytical capacity, demonstrate a sound grasp of the topic, and an ability to interpret results in a broad framework. Working with an academic supervisor students will develop their ability to produce results of high quality, draw reliable conclusions and identify future areas avenues of research. Students will build on their previous research and inquiry skills through sourcing a wide range of knowledge to solve the research problem and enhance their intellectual and personal autonomy by means of the managing the research program. Students will improve their communication skills through oral presentation of their research findings and the writing of a research paper.

### AGCH2003

#### Rural Environmental Chemistry

#### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Robert Caldwell **Session:** Semester 1 **Classes:** 3 lec/week and 30 hours of lab/semester **Prerequisites:** 12 credit points of Junior Chemistry **Prohibitions:** AGCH2001, AGCH2002 and CHEM2404 **Assessment:** One 2 hr exam, laboratory reports, theory of prac test, lecture quiz. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Environmental), B Sc Agr, UG Study Abroad Program.

This introductory unit of study consists of aspects of chemistry relevant in studies of basic and applied biological sciences including agriculture, food and the rural environment. Lecture topics include an introduction to quantitative aspects of biophysical, environmental and aquatic

chemistry with particular reference to protocols for specimen sampling and maintenance of specimen quality; the principles of basic analytical methods such as spectroscopy, chromatography and electrochemistry; environmental aspects of water such as thermal properties and its behaviour as a solvent of hydrophobic solutes, surfactants, neutral hydrophilic solutes, salts and other electrolytes, and gases. The lectures will also include environmental nutrient cycling (C, N, S, O, P, micronutrients) with reference to pesticides, herbicides, organic and inorganic pollutants affecting agricultural produce and the environment, and gases of environmental concern. Ten laboratory sessions will demonstrate aspects of analytical chemistry including: elemental analysis of foods and natural waters, spectrophotometry, chromatographic techniques, preparation of buffers, fundamentals of pH and conductance measurement, water as a solvent including the effect of surfactants and electrolytes. Students will analyze natural water samples using the skills acquired in earlier laboratory sessions and write an environmental assessment from their findings. An on-line tutorial on safety procedures in a chemistry laboratory is a pre-requisite for commencement of laboratory experiments.

### AGCH2004

#### Agricultural Chemistry

#### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Caldwell (Coordinator), Prof Fraser **Session:** Semester 1 **Classes:** 3 lec/wk and 33 hr prac **Prerequisites:** 12 junior credit points of Chemistry **Prohibitions:** AGCH2003 **Assessment:** One 2hr theory exam, one 1 hr theory of prac exam, lecture quiz, laboratory reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc.

This introductory unit of study consists of aspects of chemistry relevant in studies of basic and applied biological sciences including agriculture, food and the rural environment. Lecture topics include an introduction to quantitative aspects of bio-analytical chemistry; the principles of basic analytical methods such as spectroscopy, chromatography and electrochemistry; environmental aspects of water and its behaviour as a solvent of hydrophobic solutes, surfactants, neutral hydrophilic solutes, salts and other electrolytes, and gases. A component of the unit will be devoted to basic biological chemistry and enzymology having particular emphasis on biochemical processes in animals. Six laboratory sessions will demonstrate aspects of analytical chemistry including: elemental analysis of foods and natural waters, spectrophotometry, chromatographic techniques, preparation of buffers, fundamentals of pH measurement. A further five laboratory sessions will involve experiments in the preparation and/or properties of carbohydrates, proteins, lipids and DNA. One session will examine some fundamental properties of enzymes.

### AGCH3025

#### Chemistry and Biochemistry of Foods

#### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Meredith Wilkes, Dr Robert Caldwell, Prof Les Copeland **Session:** Semester 1 **Classes:** 3 lec/wk; 24 hrs lab **Prerequisites:** AGCH2003 or AGCH2004 or PLNT2001 or PLNT2901 or BCHM2071 or BCHM2072 or 6 credit points of Intermediate units in Chemistry **Prohibitions:** AFNR5102 **Assessment:** One 2-hr theory exam, one 1-hr theory of prac exam, practical reports, lecture quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B L W Sc, B Sc, B Sc (Environmental), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program.

This unit of study aims to give students an understanding of the properties of food constituents, and the interactions between these constituents during food processing, storage and digestion. The unit will develop an understanding of the relationship between form and functionality of constituents and the concept of fitness-for-purpose (ie, quality) in converting agricultural products into foods. Students will gain an appreciation of the relationship between chemical composition and properties of macroconstituents (carbohydrates, proteins, lipids) and microconstituents (vitamins, minerals, flavour and antinutritional chemicals) and their functions in plant and animal based foods. The material presented in lectures and practical classes will enable students to develop research and inquiry skills and an analytical

approach in understanding the biochemistry of foods, food processing and storage. On completing this unit, students will be able to describe the chemical and biochemical properties of major food constituents, and demonstrate an understanding of the functionality of these constituents in food processing and nutrition. Students will have gained experience in laboratory techniques used in industry for the analysis of some food products, and information literacy and communication skills from the preparation of practical reports.

#### Textbooks

Laboratory notes will be available for purchase from the Copy Centre in the first week of semester and lecture notes and readings will be made available through WebCT. There is no recommended textbook.

### AGCH3026

#### Food Biotechnology

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Meredith Wilkes, Dr Robert Caldwell, Prof Les Copeland **Session:** Semester 1 **Classes:** 3 lec/wk; 24 hrs lab **Prerequisites:** AGCH2003 or AGCH2004 or PLNT2001 or PLNT2901 or BCHM2071 or BCHM2072 or 6 credit points of Intermediate units in Chemistry **Corequisites:** AGCH3025 **Prohibitions:** AFNR5103 **Assessment:** One 2-hr exam, practical reports, one 1-hr theory of practical exam, oral and written presentation on a case study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B L W Sc, B Sc, B Sc (Environmental), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program.

This unit aims to give students an understanding of the chemistry, biochemistry and biotechnology of analytical and diagnostic methods and manufacturing processes used in the conversion of raw products into foods. Knowledge of food constituents gained in AGCH3025 will be applied to develop an understanding of: the use of enzymes in food processing and diagnostic technologies; processing of cereal, legume and oilseed grains, and livestock products, into foods; doughs and baking technologies; the evaluation of foods and food quality. Emphasis is placed on current issues faced by the food industry (including GM technology, organic production, food safety) through a series of special guest lectures from people connected with the food industry. On completing this unit, students will have gained an enhanced understanding of food production and manufacturing systems, the processing of raw ingredients into food products, and food analysis and evaluation. Students will have gained experience in laboratory techniques used in industry for the analysis of some food products, and information literacy and communication skills from the preparation of a case study and practical reports.

#### Textbooks

Laboratory notes will be available for purchase from the Copy Centre in the first week of semester and lecture notes and readings will be made available through WebCT. There is no recommended textbook.

### AGCH3032

#### Land and Water Ecochemistry

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Professor Ivan Kennedy, Dr Robert Caldwell **Session:** Semester 2 **Classes:** 5-day field trip in AVCC common break; 20 hr lectures/tutorials, 25 hr laboratory classes and project during semester **Prerequisites:** AGCH2003 or AGCH2004 or PLNT2001 or CHEM24XX or BCHM2XXX or ENVI2001 **Prohibitions:** AGCH3030, AGCH3031 **Assessment:** One 2 hr exam, field trip report and presentation, prac and project reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc Agr, UG Study Abroad Program.

This field-oriented unit will develop professional expertise in rural ecochemistry, measuring impacts on sustainability and seeking solutions to chemical problems at the catchment scale. AGCH3032 is an elective unit suitable for the BSc, BScAgr, BLWSc, BHortSc, BResEc and BAnVetBioSc degrees, building on intermediate units in chemistry or biochemistry. It will promote knowledge and professional skills related to key chemical processes in ecosystems causing risks to soil and water resources, the quality of agricultural produce and to ecological biodiversity. These will be examined by quantitative risk analysis, targeted monitoring and remediation, seeking innovative solutions (e.g. IPM and genetic modification).

A field trip in the AVCC break and professional report on a chosen topic will investigate relevant case studies at selected centres in eastern Australia doing innovative research on global warming and climate change, soil and water quality and environmental protection. Lectures will provide knowledge in the environmental C, N and S cycles important for sustaining action in ecosystems, the nature of greenhouse gases and mitigation of their production including C sequestration, risks to biota (soil, water, plants, animals) from acidification and innovative means of remediation, environmental risk from pesticides and other pollutants, monitoring and their remediation. In laboratory exercises, students will gain skills in relevant analyses using GC, LC, mass spectrometry and ELISA. The assessment procedures are designed to provide students with skills in definition of research problems and risk assessment, quality in analyses, risk management and remediation, and effective communication of outputs.

### AGCH4007

#### Instrumentation in Analytical Chemistry

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Robert Caldwell **Session:** Semester 1 **Classes:** Four student contact hours on average per week: Lectures: 13 hours (in weeks 1 to 13); Laboratories: 8 x 3 h **Prerequisites:** PLNT2001, AGCH2003 or AGCH2004 **Assessment:** One 2hr exam, laboratory work reports, one major problem solving assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hort Sc, B L W Sc, B Sc Agr, UG Study Abroad Program.

This unit of study is designed to expose students to the principles and technology associated with modern analytical instrumentation. This unit plays an important role for students undertaking complementary studies in analytical food or environmental chemistry. Students are given the theoretical principles behind the instrumentation and wherever possible given hands-on training in the use of that instrumentation. At the conclusion of this unit, students should be able to develop software analysis protocols for several analytical instruments, carry out analytical procedures, and perform basic fault-finding diagnostics. Students will be able to confidently assert that they have had experience in certain types of analytical procedures and operations using a range of analytical instrumentation.

### AGCH4021

#### Agricultural Chemistry Honours A

##### Agriculture, Food and Natural Resources

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B ST (Hons), B Sc (Environmental)(Hons), B Sc (Hons), UG Study Abroad Program.

Students enrolled in the Honours program study various advanced aspects of Agricultural Chemistry. The program may include lectures, tutorials, seminars and practicals. Students will undertake a research project. Assessment will include the project and may include examinations and classwork.

### AGCH4022

#### Agricultural Chemistry Honours B

##### Agriculture, Food and Natural Resources

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** AGCH4021 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B ST (Hons), B Sc (Environmental)(Hons), B Sc (Hons), UG Study Abroad Program.

See AGCH4021

### AGCH4023

#### Agricultural Chemistry Honours C

##### Agriculture, Food and Natural Resources

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** AGCH4022 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B ST (Hons), B Sc (Environmental)(Hons), B Sc (Hons), UG Study Abroad Program.

See AGCH4021

## AGCH4024

### Agricultural Chemistry Honours D Agriculture, Food and Natural Resources

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** AGCH4023  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B ST (Hons), B Sc (Environmental)(Hons), B Sc (Hons), UG Study Abroad Program.

See AGCH4021

## AGEC1006

### Economic Environment of Agriculture Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Ms Lynn Henry **Session:** Semester 2 **Classes:** (3 lec, 1 workshop)/wk **Prohibitions:** AGECE1003, AGECE1004  
**Assumed knowledge:** HSC Mathematics **Assessment:** One two hour exam, workshop papers, mid semester exam. **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B Sc Agr, UG Study Abroad Program.

To give students an overview of the structure, viability and importance of the agricultural sector in the Australian economy. It is a core unit of study in the BScAgr, BHortSc and BAnVetBioSc degrees. It is designed to give an understanding of the basic economic principles and how they relate to Australian agriculture. Students will look at basic economic theory and concepts and then apply these concepts to solve simplified versions of real problems faced by the agriculture and resource sectors. Students will look at the relationship between these concepts and the concepts learnt within their science related courses. Students will be able to analyse economic concepts and apply these concepts to real world scenarios. They will be able to synthesis and comprehend the relationship between the economic and science disciplines. The students will gain skills through workshop based tasks, information literacy and communication skills through the presentation of the workshop reports and discussion throughout the workshop.

#### Textbooks

HE Drummond and JW Goodwin, Agricultural Economics, 2nd edn (Prentice-Hall, 2004).

## AGEC1101

### Agricultural and Resource Systems Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 1, Semester 2 **Classes:** (3x1hour lectures, 1x1hour tutorial)/week **Prohibitions:** AGECE1001 **Assumed knowledge:** HSC Mathematics or HSC Mathematics Extension 1 **Assessment:** 1x1hour mid-semester exam, 1x2hour final exam, 1xassignment, tutorial papers. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program.

An introductory unit of study which serves as a foundation for later units in agricultural economics, and introduces some of the basic economic principles required in the discipline of agricultural and resource economics. Topics covered include the agricultural and resource industries in the Australian and world economies; changing place of agriculture in world economies; place of agriculture in economic development; economic and physical factors determining the location of agricultural and resources industries; the changing structure of the Australian agricultural and resource sectors; the physical and biological environment in which farm firms operate; issues in natural resources.

## AGEC1102

### Agricultural Economics 1

## Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 1, Semester 2 **Classes:** (3x1hour lectures, 1x1hour tutorial)/week **Corequisites:** AGECE1101 **Prohibitions:** AGECE1002 **Assumed knowledge:** HSC Mathematics or HSC Mathematics Extension 1 **Assessment:** 1x1hour mid-semester exam, 1x2hour final exam, 1xassignment, tutorial papers. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program.

The unit applies principles studied in introductory microeconomics to the agricultural sector. The first part of the unit is focused on basic concepts of supply, demand, equilibrium in agricultural markets, and how markets can be modelled mathematically. Market dynamics are considered. The second part of the unit is focused on agricultural business decision making. Concepts of income, cost and profit, their measurement and documentation in farm business accounts, ownership structures and taxation issues are covered. Sources of risk in agriculture, alternative management strategies, and basic techniques of decision making in the face of risk are explored.

## AGEC2101

### Market and Price Analysis Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 2 **Classes:** (2-3 lec & 1x1hour tut)/wk **Prerequisites:** ECON1001 or AGECE1006 or (AGECE1003 and AGECE1004) or RSEC1031 **Prohibitions:** AGECE2001 **Assessment:** Mid semester exam (1 hour), final exam (2 hours), tutorial assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B An Vet Bio Sc, B Com, B Ec, B Ec Soc Sc, B Hort Sc, B Int S, B L W Sc, B Res Ec, B Sc Agr, UG Study Abroad Program.

This unit focuses on the nature of agricultural and resource commodity markets, market demand relationships, market supply relationships, price determination under alternative market structures, marketing margin relationships, derived demand for inputs, spatially and temporally related markets, market dynamics, price expectations, commodity futures markets and other pertinent topics. Applied examples from the agricultural and resource industries and the overall economy will be used throughout the semester as illustrations of the principles involved.

## AGEC2102

### Agribusiness Marketing Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Ms Elizabeth Nolan **Session:** Semester 1 **Classes:** (2 lec, 1 tut)/wk **Prerequisites:** AGECE1006 or (AGECE1003 and AGECE1004) or AGECE1002 or AGECE1102 or RSEC1031 or AGECE1031 **Assessment:** One 45 minute mid semester, one group presentation based on individual case studies, one 2000 word case study, one 2hr exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B An Vet Bio Sc, B Com, B Ec, B Ec Soc Sc, B Hort Sc, B Int S, B L W Sc, B Res Ec, B Sc Agr, UG Study Abroad Program.

This unit of study is designed to provide an introductory understanding of agribusiness marketing in a modern context.

The unit will provide students in the Sciences degrees with an understanding of how the economic theory taught in first year in AGECE1006 can be treated in an applied context. For BAgREc students, it is an intermediate level unit in the Agribusiness major.

In this unit of study students will study the theory relating to the firm-level marketing mix and marketing strategy, decision making, marketing management and planning, market research and information. The unit of study will also address the organisation and trends of agribusiness marketing including value-adding and market power in the supply chain, market efficiency and international marketing by agribusiness firms.

The unit content is analytical, and draws on applied microeconomics to demonstrate how marketing decisions are made along the marketing chain. At the end of this unit students will be able to use marketing

theory to analyse the steps in the marketing chain and be aware of the forces for change within that chain.

By completing this unit, students should have improved their ability to master key theories, identify and frame problems, organise knowledge, carry out individual and group research, and synthesise information. They should also have improved their information literacy skills, and communication skills through group presentations and individual research.

#### Textbooks

Schaffner, DJ, Schroder, WR and Earle, MD (2003). Food Marketing: An international Perspective, 2nd Edition, McGraw-Hill.

### AGEC2103

#### Production Economics

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Ms Shauna Phillips **Session:** Semester 1 **Classes:** (2 lec, 1 tut)/wk **Prerequisites:** ECON1001 or AGECE1006 or (AGECE1003 and AGECE1004) or RSEC1031 **Prohibitions:** AGECE2003 **Assessment:** 1 mid sem exam (50 mins), 1 end sem exam (2hrs), 1 assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B An Vet Bio Sc, B Com, B Ec, B Ec Soc Sc, B Hort Sc, B Int S, B L W Sc, B Res Ec, B Sc, B Sc Agr, UG Study Abroad Program.

Production economics is concerned with production decisions on resource allocation at the firm, industry and economy levels. The topics include: the nature of agricultural resource industry production; production functions; factor substitution; principles of enterprise combination and multi-product production; firm objectives; constrained and unconstrained maximisation; cost functions and other duality relationships; economies of scale and size in farming; input demands and dual relationships; production over time; productivity and technical change; production under risk and the illustration of the principles involved through the use of practical applications and exercises involving both the agricultural and resource industries. In addition, basic decision analysis will be introduced including basic concepts of probability; concepts of utility; utility functions and elicitation of preferences.

Students will understand the major economic concepts and principles of resource allocation for the firm in the context of agricultural production, and understand the firm and market level economic insights provided by economic analysis of production.

This is a core unit for BAgREc and BResEc students and a non-core unit for BScAgr students. Production Economics is the first of several units of study in the BAgREc and BResEc degrees directed towards developing an economic understanding of how society organizes its production activities. Other related units of study include the third year units Agribusiness Management (BAgREc) and Applied Optimisation (BResEc), and various fourth year units, eg. Quantitative Planning Methods, Agricultural Finance and Risk and Environmental and Resource Economics and other resource economics units.

Students will formulate simple economic optimisation problems of production graphically and mathematically, such problems include unconstrained optimisations, equality-constrained optimisations and linear inequality-constrained optimizations. Students will use both calculus and linear algebra in deriving optimal resource allocations for these problems. Familiarity with performing optimisations and exploring the sensitivity of optima will be developed with the use of spreadsheets and mathematical programming packages.

#### Textbooks

Debertin, D.L. (2002) Agricultural Production Economics, 2nd edn, D.L. Debertin, University of Kentucky, Lexington.

### AGEC2105

#### Applied Econometric Modelling

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Ms Shauna Phillips **Session:** Semester 1 **Classes:** (2 lec, 1 tut)/wk **Prerequisites:** (ECMT1010 and ECMT1020) or (MATH1001 and MATH1002 and MATH1003 and MATH1005) or BIOM1003 or RSEC1031 **Prohibitions:** AGECE2005 **Assessment:** 1 mid semester exam (50 mins), 1 end semester exam (2hrs), 1 assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B An Vet Bio Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc Agr, UG Study Abroad Program.

Applied Econometric Modelling is designed to provide students with a sound understanding of the application of applied econometric methods to the agricultural and resource sectors. Topics covered will include: single and multiple regression, forecasting, dummy variables, violations of OLS assumptions, dynamics, binary choice models, and an introduction to cointegration. Emphasis will be placed on developing the ability to estimate and interpret economic relationships. The computing side of the unit involves the use of the statistical package EViews.

This unit of study is designed to develop student understanding and capability in applied regression analysis.

It is a core unit for students in BAgREc and BResEc, students and a non core unit for BScAgr students.

Students will become familiar with exploring data sets and estimating, interpreting, and assessing regressions that represent economic relationships.

At the end of this unit, students will be able to understand the major concepts and principles of applied regression analysis, estimate simple regressions in EViews and interpret the output, and be able to read, understand, and possibly replicate recent literature in agricultural and resource economics journals that apply econometric methods.

The students will gain research and computing skills.

#### Textbooks

D.N. Gujarati, Essentials of Econometric, 3rd Ed. (McGraw-Hill Irwin), New York.

### AGEC3101

#### Agribusiness Management

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Ms Lynn Henry **Session:** Semester 2 **Classes:** (2 lec, 2 wkshp)/wk **Prerequisites:** AGECE2103 or AGECE2003 or AGECE1006 or (AGECE1003 and AGECE1004) **Prohibitions:** AGECE1102; AGECE3103; AGECE3001 **Assessment:** One mid semester exam (1 hour), one final exam (2 hours), workshop papers and assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B An Vet Bio Sc, B Com, B Ec, B Ec Soc Sc, B Hort Sc, B Int S, B L W Sc, B Sc, B Sc Agr, UG Study Abroad Program.

This unit of study is designed to introduce decision making problems encountered by firms and agribusiness firms and general methods of solving microeconomic decision making problems. It is unit of study that builds on knowledge gained in junior units of study in particular AGECE1006, AGECE2103 and AGECE2102. Students will review production economics and activity analysis and show how budgeting methods can be used to relate them. They will extend these budgeting techniques to problems of time and risk, using capital and parametric budgeting. Students will also be introduced to linear programming and show how this tool is a practical method of solving decision making problems. Students will learn to consider methods for solving decision making problems where the outcomes are not known with certainty. The students will gain skills through workshop based tasks, an assignment, information literacy and communication skills through the presentation of the workshop reports and discussion throughout the workshop.

### AGEC3102

#### Agricultural and Resource Policy

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 1 **Classes:** (2-3 lec & 1x1 hour tut)/wk **Prerequisites:** {(AGECE2001 or AGECE2101) and (AGECE2003 or AGECE2103)} OR {(ECON2001 or ECOS2001) and (ECON2002 or ECOS2002)} **Prohibitions:** AGECE3002 **Assessment:** One mid semester exam (1 hour); one final exam (2 hours); assignments; tutorial papers. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Hort Sc, B Int S, B L W Sc, B Res Ec, B Sc Agr, UG Study Abroad Program.

This unit is designed to cover basic theoretical and modelling frameworks for economic evaluation of policy formation (including Pareto welfare economics and public choice theory); market and government failure; the institutional structure of agricultural and

resource policy formulation in Australia; micro and macroeconomic issues in agricultural and resource policy; and issues arising from linkages between agriculture and the resource industries and with the rest of the economy. Students will be expected to read widely.

#### Textbooks

Godden, D. 1997, *Agricultural and Resource Policy: Principles and Practice*, Oxford University Press, Melbourne (currently out of print)  
 Stiglitz, J. 2000, *Economics of the Public Sector*, Norton, New York.  
 N.B. Students are advised not to buy the textbooks before lectures commence in case there are any changes.

### AGEC3103

#### Applied Optimisation

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Ross Drynan **Session:** Semester 1 **Classes:** (2 lec & 2 tut)/wk **Prerequisites:** (AGEC2001 or AGEC2101) and (AGEC2003 or AGEC2103) **Prohibitions:** AGEC3101 **Assessment:** One end-of-semester exam (2 hours), assignments, class work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Hort Sc, B Int S, B L W Sc, B Res Ec, B Sc Agr, UG Study Abroad Program.

This unit of study deals with constrained optimization problems in which when one or more constraints are inequalities. Such problems are explored/solved by "mathematical programming" techniques. The focus of the unit is on linear programming (LP) problems, i.e. ones in which both the objective and the constraints are linear functions. Linear programming has wide application to farm planning, financial planning, and other planning contexts. Graphical and mathematical representations of linear programming problems are covered. Topics include solution methods, solution information, primal and dual formulations, stability of optimal solutions, and parametric programming. After covering the basics of LP, the focus shifts to modelling of real world scenarios in LP models. Special formulations (eg. transportation model), and extension to integer programming are examined. Students develop experience and confidence in the use of spreadsheet-based optimizer routines, and with specialised optimization packages (e.g. LINDO).

### AGEC3104

#### Research Methods

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 2 **Classes:** (2 lec & 1-2 hr tut)/wk **Prerequisites:** AGEC2105 or ECMT2010 or ECMT2110 or AGEC2005 **Prohibitions:** AGEC3004 **Assessment:** One mid semester exam (1 hour), one final exam (2 hours), assignments, research proposal. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Hort Sc, B Int S, B L W Sc, B Res Ec, B Sc Agr, UG Study Abroad Program.

This unit deals with the nature of research and inquiry in applied economics. Topics covered will include: alternative philosophical perspectives on inquiry; scientific method; inductive thought and deductive logic; creativity; research as an orderly process of enquiry; preparation of research proposals; secondary data sources for agricultural and resource economists; collection of primary data; statistical design of sample surveys; questionnaire construction; interviewing techniques; and methods of analysis of survey data. Topics are illustrated with examples of research in theoretical economics, empirical discipline-advancing research, empirical exploratory research, and research using policy-evaluation modelling. Students are expected to read widely.

### AGEC4101

#### Agricultural Marketing Analysis

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 2 **Classes:** (2-3 hr lec & 1x1 hour tut)/wk **Prerequisites:** (AGEC2001 or AGEC2101) and (AGEC2003 or AGEC2103) **Prohibitions:** AGEC4004 **Assessment:** One mid semester exam (1 hour) one final exam (2 hours), case studies. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S, B Res Ec, B Sc Agr, UG Study Abroad Program.

Performance of the agricultural and resource marketing systems, marketing margins, transportation, storage, advertising, wholesaling, and retailing. The structure, conduct and performance of marketing firms, and government and public interest in the food system will also be addressed via a number of case studies. Extensive readings will be required. The unit is designed to focus on analysing applied strategic management problems facing marketing firms. Students will be required to read widely.

#### Textbooks

Collections of readings.

### AGEC4102

#### Agricultural Development Economics

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 2 **Classes:** (2-3 hours lec & 1x1 hour tut)/wk **Prerequisites:** (AGEC2001 or AGEC2101) and (AGEC2003 or AGEC2103) **Assessment:** One mid semester exam (1 hour) one final exam (2 hours), case studies. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Hort Sc, B Int S, B L W Sc, B Res Ec, B Sc Agr, UG Study Abroad Program.

This unit is designed to expose students to issues of economic growth and development, and their policy and welfare impacts in developing countries. More specifically the unit will focus on agricultural development policies and outcomes. Linkages with other industries, environment, sustainability, globalisation and national and international development agencies will also be discussed. Extensive reading will be required.

#### Textbooks

Collections of readings.

### AGEC4103

#### International Agricultural Trade

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 1 **Classes:** (2-3 hours lec & 1x1 hour tutorial)/wk **Prerequisites:** (AGEC2001 or AGEC2101) and (AGEC2003 or AGEC2103) **Prohibitions:** AGEC4003 **Assessment:** One mid semester exam (1 hour) one final exam (2 hours), case studies. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Hort Sc, B Int S, B L W Sc, B Res Ec, B Sc Agr, UG Study Abroad Program.

In this unit of study the basic economic principles underlying international trade in agricultural and resource commodities and the policies involved will be presented. Issues related to trade and development will also be considered. The main topics covered will include: trends in agricultural and resources trade; economics and politics of protection, economic integration and impacts on international commodity trade; international trade policy making. An understanding of globalisation, including foreign direct investment, will also be required. Extensive reading will be required.

#### Textbooks

Collections of readings.

### AGEC4104

#### Agribusiness Analysis

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 1 **Classes:** (2-3 hours lec & 1x1 hour tut)/wk **Prerequisites:** (AGEC2001 or AGEC2101) and (AGEC2003 or AGEC2103) **Assessment:** One mid semester exam (1 hour), one final exam (2 hours), case studies. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Hort Sc, B Int S, B L W Sc, B Res Ec, B Sc Agr, UG Study Abroad Program.

This unit focuses on applications of economic theory and methods in agribusiness decision making. It provides advanced treatment of the industrial organisation of agribusiness firms. Case studies will be used to examine the economic complexities of global agribusiness systems. Extensive readings make up the central component of the unit.

#### Textbooks

Collections of readings.

## AGEC4107

### Special Topics

#### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 1, Semester 2 **Classes:** Individual research and consultation **Prohibitions:** AGE4007 **Assessment:** Research paper. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Res Ec.

This unit deals with the specialised areas of agricultural and resource economics of particular interest to approved students. The student will read under the guidance of a member of staff and complete designated learning tasks.

*Textbooks*

Individual reading.

## AGEC4108

### Quantitative Planning Methods

#### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 1 **Classes:** (2 lec & 2 tut/lab session)/wk **Prerequisites:** AGE43101 or AGE43103 or AGE43031 or AGE43001 **Prohibitions:** AGE4008 **Assessment:** One end-of-semester exam (2 hours), 2 assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S, B Res Ec, B Sc Agr.

This unit examines the use of mathematical methods and models in planning at both the individual firm level and the sectoral level. While the principal focus is on formal optimization, simulation and Monte Carlo methods are briefly discussed. Topics include non-linear programming, elements of input-output analysis, computable general equilibrium analysis, dynamic problems and methods (e.g. dynamic programming and optimal control). Sectoral level planning applications considered include transportation and plant location studies; spatial equilibrium; and resource utilization across time. Firm level applications include multi-period planning, queuing problems, inventory analysis, and replacement problems. Extensive use is made of computer-based optimization.

## AGEC4109

### Agricultural Finance and Risk

#### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Ross Drynan **Session:** Semester 2 **Classes:** (2 lec & 2 tut/lab session)/wk **Prerequisites:** {(AGE43001 or AGE43101) and (AGE42003 or AGE42103)} OR (AGE41102 and AGE43103) **Prohibitions:** AGE4009 **Assessment:** One end-of-semester exam (2 hours), 2 assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Hort Sc, B Int S, B Res Ec, B Sc Agr.

This unit has two related components. One component concerns risk and risk management in agriculture; the other deals with issues of agricultural producer finance. Risk topics include: risk measurement, subjective probability, adjusting beliefs as a result of new information; risk attitudes; decision making under risk; expected utility theory; valuing information; generalizations of expected utility theory; E-V analysis; stochastic dominance; internal measures to cope with risk including diversification and flexibility; insurance, futures, options and other market instruments for managing risk. Finance topics include the implications of capital market imperfections and consequential differences between corporate and small business finance; financial relationships between debt/equity levels and risk, optimal debt levels; cost of capital; short term working capital management; and longer term capital (investment) budgeting. Techniques of valuation of projects in risk-free and risk situations are examined. Financial and risk management practices in Australian agriculture are reviewed.

## AGEC4110

### Professional Skills

## Agriculture, Food and Natural Resources

**Credit points:** 3 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 1 **Classes:** (One 2 hr sem)/wk **Corequisites:** AGE4011 or AGE4111 **Prohibitions:** AGE4010 **Assessment:** Discussion papers. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Res Ec.

A series of lectures, seminars and workshops designed to provide students with enhanced professional skills. Sessions will focus on communication skills, including report writing, preparation of policy briefs, seminar and workshop presentations. Other sessions will be focused on aspects of professional ethics, attitudes and responsibilities and leadership. Participatory activities such as team debates and mock inquiry hearings addressing issues of current relevance to agricultural /resource economists are used to develop the student's communication skills and knowledge of issues.

## AGEC4111

### Contemporary Issues

#### Agriculture, Food and Natural Resources

**Credit points:** 3 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 2 **Classes:** (One 2 hr seminar)/wk **Corequisites:** AGE4010 or AGE4110 **Prohibitions:** AGE4011 **Assessment:** 1x2hour final exam, 1xgroup presentation, 1x assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Res Ec.

Through regular seminars by guest speakers and occasional workshops or other participatory activities, students examine a broad range of national and international issues of current relevance to Australian agricultural and resource economists.

## AGEC4112

### Research Project A

#### Agriculture, Food and Natural Resources

**Credit points:** 9 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 1 **Classes:** (2 hr sem)/wk **Prerequisites:** AGE43104 or AGE43004 **Corequisites:** AGE4113 **Prohibitions:** AGE4012 **Assessment:** Research thesis; presentations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec.

In this unit of study, students develop skills in economic research by designing, undertaking and reporting on a single research study (thesis). Students undertake research on an approved topic under the supervision of a member of staff and prepare a report of approximately 25,000 words in length. Students are allocated to the thesis on the basis of available resources and the advice and approval of the co-ordinator for the Research Project.

## AGEC4113

### Research Project B

#### Agriculture, Food and Natural Resources

**Credit points:** 9 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 2 **Classes:** (2 hr sem)/wk **Prerequisites:** AGE43104 or AGE43004 **Corequisites:** AGE4112 **Prohibitions:** AGE4013 **Assessment:** Research thesis; presentations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec.

In this unit of study, students develop skills in economic research by designing, undertaking and reporting on a single research study (thesis). Students undertake research on an approved topic under the supervision of a member of staff and prepare a report of approximately 25,000 words in length. Students are allocated to the thesis on the basis of available resources and the advice and approval of the co-ordinator for the Research Project.

## AGEC4121

### Research Exercises A



**Agriculture, Food and Natural Resources**

**Credit points:** 9 **Teacher/Coordinator:** A/Prof Ross Drynan **Session:** Semester 1 **Classes:** (2 lec or sem)/wk **Prerequisites:** AGECE3104 or AGECE3004 **Corequisites:** AGECE4122 **Prohibitions:** AGECE4012, AGECE4112 **Assessment:** Written research report/paper(s), seminar. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec.

This unit of study is taken in conjunction with the companion unit, AGECE4122 Research Exercises B. Students develop skills in economic research by participating in the designing, undertaking and reporting on one or more research exercises undertaken under the guidance of a staff member. Students typically work partly individually and partly in groups on a project that is common to the entire class. Students may be required to work on separate aspects of that project or may be required to examine the same aspect using different approaches. Students will be required to prepare individual and/or group written reports and/or oral presentations concerning data acquisition, analysis and interpretation of results. The precise nature of the research, the research methods, and the emphasis of the exercises will be determined in conjunction with the specification of the research exercise(s) undertaken in the companion unit, AGECE4122.

**AGECE4122****Research Exercises B****Agriculture, Food and Natural Resources**

**Credit points:** 9 **Teacher/Coordinator:** Dr Michael Harris **Session:** Semester 2 **Classes:** (2 lec or sem)/wk **Prerequisites:** AGECE3104 or AGECE3004 **Corequisites:** AGECE4121 **Prohibitions:** AGECE4013, AGECE4113 **Assessment:** Written research reports and papers. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec.

This unit of study is taken in conjunction with the companion unit, AGECE4121 Research Exercises A. See AGECE4121 for details.

**AGEX0001****External Study 1A****Agriculture, Food and Natural Resources**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Hort Sc, B L W Sc, B Res Ec, B Sc Agr.

**AGEX0002****External Study 2****Agriculture, Food and Natural Resources**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Hort Sc, B L W Sc, B Res Ec, B Sc Agr.

**AGEX0011****External Study 1B****Agriculture, Food and Natural Resources**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Hort Sc, B L W Sc, B Res Ec, B Sc Agr.

**AGEX0021****External Study 1C****Agriculture, Food and Natural Resources**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Hort Sc, B L W Sc, B Res Ec, B Sc Agr.

**AGEX0031****External Study 1D****Agriculture, Food and Natural Resources**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Hort Sc, B L W Sc, B Res Ec, B Sc Agr.

**AGRF4000****Professional Experience****Agriculture, Food and Natural Resources**

**Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Field Experience  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Hort Sc, B Res Ec, B Sc Agr.

Requirements for the 60 days outlined in 'Regulations'.

**AGRO3004****Managing Agro-Ecosystems****Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Dr Carina Moeller, Dr Brett Whelan, Dr Daniel Tan **Session:** Semester 2 **Classes:** (2hrs lec, 3hrs field and computer lab pracs)/wk **Prerequisites:** PLNT2003 or PLNT2903 **Assumed knowledge:** AFNR1001 and AFNR1002 **Assessment:** Crop fact-sheets, report on field practical (group work), take-home exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B An Vet Bio Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc Agr, UG Study Abroad Program.

The most critical and interesting questions managers of natural resources face deal with the inherent complexity of agricultural systems. Long- and short-term interactions exist between physical (eg climate, soil) and biological (eg crops, pastures) factors and agricultural management, among others. To understand these interactions and their impacts on production and environmental outcomes in dryland systems including crop and pastures is the overall aim of this unit. AGRO3004 is a core unit for BScAgr students and builds on knowledge and skills gained in the first year and second year units AFNR1001, AFNR1002, AVBS1002, PLNT2003 and SOIL2003. During the semester, the concept of an agro-ecosystem and principles of crop and pasture production are introduced. Emphasis is given to the magnitude, temporal and spatial scale of variability in agro-ecosystems and the consequent management implications. Computer simulation is used to explore effects of climate, soil type and alternative management options in systems including crops and pastures. Precision agriculture techniques for optimising agricultural management are introduced. Students develop key graduate attributes for agricultural scientists in information literacy, experimentation, critical analysis, written expression and team work.

**Textbooks**

Pratley J (Ed.) (2003) 'Principles of field crop production (4 edn).' (Oxford University Press: Melbourne, Australia).

**AGRO4003****Crop and Pasture Agronomy****Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Dr Lindsay Campbell **Session:** Semester 1 **Classes:** Tutes, intensives/workshops, excursion **Prerequisites:** AGRO3004 or PLNT2003 or PLNT2903 **Assessment:** Report, oral presentation and exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Hort Sc, B L W Sc, B Res Ec, B Sc Agr, UG Study Abroad Program.

This unit examines agronomy as the discipline that underpins agricultural production. As a case study, the cotton industry is examined in detail to understand the end-user and social demands on agricultural production, the technical issues that challenge the farmer and the diversity of other specialist information from relevant disciplines such as entomology, pathology and soil science that must be integrated into the farming system. Likewise the rice and/or pastoral industries provide a contrasting farming system as another case study. The unit includes a one-week excursion to cotton growing areas in northern NSW, specialist intensive instruction provided by the Cotton

CRC and a series of workshops) tutorials that provides analysis and synthesis of the major farming systems in this industry.

#### AGRO4004

##### Sustainable Farming Systems

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Lindsay Campbell **Session:** Semester 1 **Classes:** Negotiated practicals and workshops (63h) **Prerequisites:** AGRO3002 or AGRO3004 **Assessment:** Reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Hort Sc, B L W Sc, B Res Ec, B Sc Agr, UG Study Abroad Program.

This unit is designed to provide students with training in the professional skills required to practice agronomy. The unit principally builds on theoretical and applied knowledge gained in third year agronomy (AGRO3004) and second year plant physiology (PLNT2003). In this unit students will integrate their knowledge of soils, plant pathology, entomology, experimental design, biometry and economics to address applied problems in agronomy, namely the issue of sustainability. After completing this unit students should be able to confidently design and manage a field experiment and interpret their findings by integrating knowledge from across discipline boundaries. Students will develop their ability to establish conclusions towards making recommendations for long term sustainability. By implementing and managing a major field experiment students will develop their research and inquiry skills. Team work is strongly encouraged in this unit and the integration and reporting of their findings will develop their critical thinking and written communication skills.

#### AGRO4005

##### Livestock Production Systems

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Lindsay Campbell **Session:** Semester 2 **Classes:** (2 hr lectures or workshop, 1 hr practical or fieldtrip, 1 hr case study)/wk **Prerequisites:** AGRO3004 **Assumed knowledge:** ANSC3101 **Assessment:** One 2hr exam (50%), case study report (25%), practical or fieldtrip assignments (15%), participation in debate (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Hort Sc, B L W Sc, B Res Ec, B Sc Agr, UG Study Abroad Program.

The aim of this unit is to highlight the interrelationships between livestock production, plant, soil and water resources using scientific principles and predicting the effects of management actions and environmental conditions on the system. Livestock production systems builds on knowledge in the AGRO3004, which deals with pasture and cropping systems and expands this into the management of systems involving animals. As such it integrates knowledge from all prior units in the degree and is the most senior units for students interested in Agronomy and Livestock production systems. In this unit students will investigate and discuss how pasture management directly influences livestock production and how management of livestock systems can be a sustainable industry in terms of natural resources. The students will work in a group to research a new component in livestock management systems research and participate in a debate about intensifying or extensifying the livestock industry. Students completing this unit will be able to evaluate how the management of different pastoral systems (both dryland and irrigated) affects the nutritional value of different pastures and sustainability of soil and water resources, and demonstrate management decision making in relation to stocking rates and pasture growth and nutrition. In addition students will contrast new and innovative animal grazing systems to more traditional systems in terms of stocking rates, live weight gain and natural resource impact and debate the ethical and scientific views of intensive animal production (such as feedlots) and extensive animal production (such as native animal and biological production). Through group work and independent research on the case studies students will gain valuable research and interpersonal skills. Writing and communication skills are developed through report and exam writing and oral communication through participation in a debate.

#### AHCD1006

##### Study Skills

##### Health Sciences

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Support Prog.

This unit introduces students to the skills needed for successful tertiary study, particularly related to health science courses. Topics covered include time management, research skills, exam preparation skills and writing skills.

#### AHCD1009

##### Anatomy Support (A)

##### Health Sciences

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials consultations **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Support Prog.

This unit commences two weeks prior to the start of the academic year. It begins by introducing students to the principles of studying anatomy and orienting them to the anatomy laboratories. The unit continues to be offered concurrently with the anatomy component of the student's course and provides the opportunity for students to revise and consolidate concepts covered in that component of their course.

#### AHCD1010

##### Anatomy Support (B)

##### Health Sciences

**Credit points:** 2 **Session:** Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Support Prog.

The unit runs concurrently with the anatomy component of the student's course and provides the opportunity for students to revise and consolidate concepts covered in that component of their course.

#### AHCD1011

##### Biological Sciences Orientation

##### Health Sciences

**Credit points:** 2 **Session:** Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Support Prog.

The material covered in this unit depends on the course being undertaken by the student. The pre-course option is offered only in Semester 2 and aims to provide students with an understanding of the fundamental concepts of chemistry and physiology needed for successful participation in the human biology component of their course in the following year.

#### AHCD1012

##### Biological Sciences Support (A)

##### Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** Abor Hlth Sc Support Prog.

Biological Sciences Support (A) and (B) provide students with an opportunity to revise and consolidate content covered in human biology/physiology units. Both group and individual tuition is provided.

#### AHCD1013

##### Biological Sciences Support (B)

###### Health Sciences

**Credit points:** 3 **Session:** Semester 1 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Support Prog.

The Biological Sciences Support units provide students with an opportunity to revise and consolidate content covered in human biology/physiology units. Both group and individual tuition is provided.

#### AHCD1014

##### Physics Support

###### Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Support Prog.

The unit is designed for students enrolled in Medical Radiation Sciences who may not have a strong background in physics. It aims at both preparing students for study in physics-related units, and the opportunity to revise and consolidate concepts covered in the physics component of their course. It also covers the mathematical concepts required.

#### AHCD1015

##### Research Methods Support (1)

###### Health Sciences

**Credit points:** 3 **Session:** Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Support Prog.

This unit aims to provide students with the opportunity to further understand and use experimental and descriptive research methods.

#### AHCD1016

##### Professional Studies Support (1A)

###### Health Sciences

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Support Prog.

This unit supports one or more of the professional units a student may be having difficulty with. It is based on individual student need.

#### AHCD1017

##### Professional Studies Support (1B)

###### Health Sciences

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Support Prog.

This unit supports one or more of the professional units a student may be having difficulty with. It is based on individual student need.

#### AHCD1018

##### Biomechanics Support (1)

###### Health Sciences

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Support Prog.

This unit aims to provide an introduction to the fundamental principles of biomechanics as well as provide students in the first year of their degree course with the opportunity to consolidate and revise material covered in the biomechanics component of their course.

#### AHCD1019

##### Neurobiology Support

###### Health Sciences

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Support Prog.

This unit aims to introduce students to the fundamental concepts of neurobiology and to provide students with an opportunity to revise and consolidate content covered in the neurobiology component of their course.

#### AHCD1020

##### Behavioural Sciences Support (A)

###### Health Sciences

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Support Prog.

The Behavioural Sciences Support units aim to introduce students to the fundamental concepts of behavioural sciences and to provide them with an opportunity to revise and consolidate content covered in the behavioural sciences component of their course.

#### AHCD1021

##### Behavioural Sciences Support (B)

###### Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Support Prog.

The Behavioural Sciences Support units aim to introduce students to the fundamental concepts of behavioural sciences and to provide them with an opportunity to revise and consolidate content covered in the behavioural sciences component of their course.

#### AHCD1057

##### Biological Sciences Support

###### Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 6hrs/block, 3 blocks/semester **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Support Prog.

This unit is conducted concurrently with Biological Sciences units in the Diploma of Health Science (Aboriginal Health & Community Development) program and enables the students to revise unit material and identify and develop the academic skills required to successfully complete the Biological Sciences units.

#### AHCD1058

##### Maths Workshop A Health Sciences

**Credit points:** 4 **Session:** Semester 1 **Classes:** 6hrs/block, 3 blocks/semester  
**Assessment:** 3 short assignments (30%, 30% and 40%) due in Wks 6, 11 & 15. (Each assignment involves calculations, short answers, and the construction of tables and charts). Topics covered include estimation and approximation; fractions, percentages, decimals and rates; graphs, charts and tables. **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus  
*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Prep Prog.

This unit aims to teach the numeracy skills students may need in their chosen course. It takes into account the individual student's past experience of learning maths, and deals with issues such as maths anxiety. The unit contains mathematical concepts which relate to the undergraduate health sciences units. The unit includes both group and individual tuition.

#### AHCD1059

##### Academic Skills Workshop A Health Sciences

**Credit points:** 4 **Session:** Semester 1 **Classes:** 6hrs/block, 3 blocks/semester  
**Assessment:** Several assignments (ranging in weights from 5% to 25%) are evenly distributed through the semester. The assignments cover writing skills, information literacy, and communication skills. **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus  
*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Prep Prog.

This unit aims to assist students preparing for study at a tertiary institution. It investigates issues such as the culture and values of the tertiary institution, explores students' past educational background and teaches academic skills such as computing, information gathering skills, organisational strategies, research, reading and writing skills, and exam techniques. The unit includes both group and individual tuition.

#### AHCD1060

##### Human Biology Workshop A Health Sciences

**Credit points:** 4 **Session:** Semester 1 **Classes:** 6hrs/block, 3 blocks/semester  
**Assessment:** Workbook readings and questions (30%), 1000 word written reports (40%), end semester MCQ and SAQs (30%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus  
*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Prep Prog.

This unit introduces students to the study of human biology. It begins with an introduction to basic chemical concepts and related mathematical concepts. The unit also covers important physiological concepts such as cell structure, metabolism, genetics and the physiology of various body systems. The unit has a large practical component aimed at teaching laboratory skills. Students have an option to enrol in a relevant Biological Sciences unit within an undergraduate degree program as part of this unit of study.

#### AHCD1061

##### Aboriginal Studies A Health Sciences

**Credit points:** 4 **Session:** Semester 1 **Classes:** 6hrs/block, 3 blocks/semester  
**Assessment:** 300 word independent note taking and reconstruction, due Wk 5 (25%), 600 word independent note taking and reconstruction, due Wk 9 (30%), 1000 word independent note taking, reconstruction/summary writing, due Wk13 (45%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus  
*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Prep Prog.

This unit aims to investigate a number of issues relevant to Aboriginal students considering participating in tertiary level education. The meaning of Aboriginality in contemporary society is explored, together with issues of Aboriginality.

#### AHCD1062

##### Anatomy Workshop A Health Sciences

**Credit points:** 4 **Session:** Semester 1 **Classes:** 6hrs/block, 3 blocks/semester  
**Assessment:** Workbook readings and questions (30%), 1000 word written reports (40%), end semester MCQ and SAQs (30%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus  
*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Prep Prog.

This unit introduces the student to the study of anatomy. It covers topics such as anatomical language, histology, neuroanatomy, the musculoskeletal system, as well as the anatomy of other various body systems. Emphasis is placed on acquiring the skills needed to study anatomy successfully, including laboratory skills and learning anatomical language.

#### AHCD1063

##### Behavioural Science Workshop A Health Sciences

**Credit points:** 4 **Session:** Semester 1 **Classes:** Individual or small group tuition **Assessment:** During each session students will be required to complete an in-class worksheet which will be marked and returned, 75min open book exam (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus  
*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Prep Prog.

This unit introduces students to the study of behavioural science. It uses topics such as health as the basis for exploring contemporary sociological and psychological theories. Emphasis is placed on developing skills needed to study behavioural science successfully, including field observation, presenting seminars and reading research reports. Students have an option to enrol in a relevant Behavioural Sciences unit within an undergraduate degree program as part of this unit of study.

#### AHCD1064

##### Mathematics Workshop B Health Sciences

**Credit points:** 4 **Session:** Semester 2 **Classes:** 6hrs/block, 3 blocks/semester  
**Assessment:** 3 short assignments (20%, 20%, 40%), in-class closed book exam (20%) in the final block. Assignments due in Wks 6, 11 & 15. Each assignment involves calculations, short answers, and the construction of tables and charts. **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus  
*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Prep Prog.

This unit aims to teach the numeracy skills students may need in their chosen course. It takes into account the individual student's past experience of learning maths, and deals with issues such as maths anxiety. The unit contains mathematical concepts which relate to the undergraduate health sciences units. The unit includes both group and individual tuition.

#### AHCD1065

##### Academic Skills Workshop B Health Sciences

**Credit points:** 4 **Session:** Semester 2 **Classes:** 6hrs/block, 3 blocks/semester  
**Assessment:** Similar to AHCD1059. Several assignments are given through the semester, in addition to a comprehension exam (20%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus  
*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Prep Prog.

This unit aims to assist students preparing for study at a tertiary institution. It investigates issues such as the culture and values of the tertiary institution; explores students' past educational background; and teaches academic skills such as computing, information gathering skills, organisational strategies, research, reading and writing skills, and exam techniques. The unit includes both group and individual tuition.

**AHCD1066****Human Biology Workshop B  
Health Sciences**

**Credit points:** 4 **Session:** Semester 2 **Classes:** 6hrs/block, 3 blocks/semester  
**Assessment:** Workbook readings and questions (30%), 1000 word written reports (40%), end semester MCQ and SAQs (30%) **Campus:** Cumberland  
**Mode of delivery:** Distance Education/Intensive on Campus

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Prep Prog.

This unit introduces students to the study of human biology. It begins with an introduction to basic chemical concepts and related mathematical concepts. The unit also covers important physiological concepts such as cell structure, metabolism, genetics and the physiology of various body systems. The unit has a large practical component aimed at teaching laboratory skills. Students have an option to enrol in a relevant Biological Sciences unit within an undergraduate degree program as part of this unit of study.

**AHCD1067****Aboriginal Studies B  
Health Sciences**

**Credit points:** 4 **Session:** Semester 2 **Classes:** 6hrs/block, 3 blocks/semester  
**Assessment:** Summary writing and essay plan, due Wk 5 (25%), 1000 word descriptive essay, due Wk 9 (35%), 1000 word reflective journal, due Wk 13 (40%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Prep Prog.

This unit aims to investigate a number of issues relevant to Aboriginal students considering participating in tertiary level education. The meaning of Aboriginality in contemporary society is explored, together with issues of Aboriginality.

**AHCD1068****Anatomy Workshop B  
Health Sciences**

**Credit points:** 4 **Session:** Semester 2 **Classes:** 6hrs/block, 3 blocks/semester  
**Assessment:** Workbook readings and questions (30%), 1000 word written reports (40%), end semester MCQ and SAQs (30%) **Campus:** Cumberland  
**Mode of delivery:** Distance Education/Intensive on Campus

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Prep Prog.

This unit introduces the student to the study of anatomy. It covers topics such as anatomical language, histology, neuroanatomy and the musculoskeletal system, as well as the anatomy of other various body systems. Emphasis is placed on acquiring the skills needed to study anatomy successfully, including laboratory skills and learning anatomical language.

**AHCD1069****Behavioural Science Workshop B  
Health Sciences**

**Credit points:** 4 **Session:** Semester 2 **Classes:** Individual or small group tuition **Assessment:** During each session students will be required to complete an in-class worksheet which will be marked and returned, 75min open book exam (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Prep Prog.

This unit introduces students to the study of behavioural science. It uses topics such as health as the basis for exploring contemporary sociological and psychological theories. Emphasis is placed on developing skills needed to study behavioural science successfully, including field observation, presenting seminars and reading research reports. Students have an option to enrol in a relevant Behavioural Sciences unit within an undergraduate degree program as part of this unit of study.

**AHCD2008****Biomechanics Support (2)****Health Sciences**

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Support Prog.

This unit aims to provide students in the second year of their degree course with the opportunity to consolidate and revise material covered in the biomechanics component of their course.

**AHCD2009****Professional Studies Support (2)  
Health Sciences**

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Support Prog.

This unit supports one or more of the professional units a student may be having difficulty with. It is based on individual student need.

**AHCD2011****Research Methods Support (2B)  
Health Sciences**

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week or according to student need **Assessment:** Formative assessments only, individual and small group tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Abor Hlth Sc Support Prog.

This unit aim to provide students with the opportunity to further understand and use experimental and descriptive research methods.

**AHCD3008****Indigenous Community Health Project A  
Health Sciences**

**Credit points:** 6 **Session:** Semester 2 **Classes:** Block mode **Assessment:** In-class assessment, written assignment **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (Aborig Hlth &Comm Dev).

Indigenous Community Health Project A and B provide students with an opportunity to integrate learning throughout the course by defining, planning, implementing, evaluating and reporting on a project related to professional practice in Aboriginal health and community development. The project plan will be developed in Indigenous Community Health Project A.

**AHCD3009****Professional Practice III  
Health Sciences**

**Credit points:** 6 **Session:** Semester 2 **Classes:** Block mode **Prerequisites:** AHCD2020 Professional Practice II **Assessment:** Participation in block work classes, the professional practice placement, submission of written work **Practical field work:** Supervised professional practice placement (70hrs) **Campus:** Cumberland **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev).

This compulsory unit aims to provide students with the opportunity to extend and integrate their practical skills and theoretical knowledge as these relate to the roles and responsibilities of Indigenous health & community development practitioners. There is increasing emphasis in this unit on the development of reflective learning skills and critical analysis of issues as they relate to Indigenous health in its many contexts. The subject requires attendance at lectures during block and participation in a 70 hour supervised professional practice placement in an organisation providing health or community development services to Indigenous communities.

## AHCD3017

### Health Promotion Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 1, Semester 2 **Classes:** 6 hrs/block, 3 blocks/semester **Assessment:** 1500 word individual analysis (40%), 500 word individual outline (20%), 1500 word initiative plan (40%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

**Associated degrees:** B B Hlth Sc, B Hlth Sci.

This unit of study introduces you to the concept and principles of health promotion and provides you with a framework for developing health promotion initiatives in your professional capacity as an allied health practitioner. The unit is structured around three modules: the concept and meaning of health; health promotion practice: and designing and evaluating health promotion initiative.

#### Textbooks

Reading will be provided in the distance mode package

## AHCD4001

### Indigenous Community Health Project B Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Block mode **Prerequisites:** AHCD3008 Indigenous Community Health Project A **Assumed knowledge:** Knowledge of project planning **Assessment:** In-class assessment, written assignment **Campus:** Cumberland **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Aborig Hlth &Comm Dev).

Indigenous Community Health Project A and B provide students with an opportunity to integrate learning throughout the course by defining, planning, implementing, evaluating and reporting on a project related to professional practice in Aboriginal health and community development. In this unit, students will complete their project, following the project plan developed in AHCD3008 Indigenous Community Health Project A.

## AHCD4002

### Professional Practice IV Health Sciences

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Classes:** Block mode **Prerequisites:** AHCD3009 Professional Practice III **Assessment:** Assessment is based on participation in block mode classes, a placement (4 weeks) and submission of written work **Practical field work:** Supervised placement **Campus:** Cumberland **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Aborig Hlth &Comm Dev).

The aim of this unit is to provide an opportunity for students to participate in a supervised placement for 140 hours in an organisation providing health and/or community development related services or programs to Indigenous communities. Participation in the placement will enable students to consolidate theoretical knowledge and practical skills as it applies to the role of Indigenous health and community development practitioners. In addition, students are asked to relate their knowledge and skills to one of 6 stream electives including: research; counselling and Indigenous mental health; Indigenous community development and management; primary health care/health promotion; addiction studies; Indigenous environmental health & housing.

## AHCD4014

### Current Issues in Health, Law & Medicine Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Block mode **Assessment:** Essay, worksheet, take home exam **Campus:** Cumberland **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev).

This unit will introduce students to an understanding of the Australian legal system and general principles and law governing human behaviour. This unit will also provide the student with an understanding of human rights and the international legal system. Students will be

encouraged to explore the relationship between health, human rights and the law.

## AHCD4018

### Action Research Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Block mode **Prerequisites:** AHCD2022 Introduction to Health Research **Assessment:** In-class assessment, written assignment **Campus:** Cumberland **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev).

Participatory action research extends knowledge and improves social practices through processes which empower ordinary people. Action research projects proceed through cycles of planning, acting, observing and reflecting, with the participation of the people affected by the practices under consideration.

## AHCD4022

### Indigenous Community Health Promotion B Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 6hrs/block, 3 blocks/semester **Assessment:** Short answer questions (25%), conceptual framework (10%), discussion paper (40%), journal & reflection summary (25%) **Practical field work:** 10-12hrs of fieldwork **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

**Associated degrees:** B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev).

The aim of this unit of study is to introduce the students to the global view of health promotion. What the role of Aboriginal health professionals might be in the initiation of a health promotion initiative will be discussed. The steps necessary in building partnership with other members of the organisation and communities for health promotion activities will be also examined.

#### Textbooks

Readings will be provided

## AHCD4032

### Health Planning, Policy and Evaluation A Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Block mode **Assessment:** In-class assessment, written assignment **Campus:** Cumberland **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), Health Sciences UG Cross Inst.

This unit of study provides the students with an understanding of the meaning and concept of policy and policy development within the Australian political structure. Various models of policy development and in particular the Australian policy development model will be examined. Application of these models to a current policy will be also investigated.

#### Textbooks

Readings provided

## AHCD4034

### Indigenous Community Health Promotion A Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 6hrs/block, 3 blocks/semester **Assessment:** 750 word reflective paper (30%), 750 word short answer paper (30%), 2000 word essay (40%) **Practical field work:** 6hrs of fieldwork **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), B Hlth Sc (Hons), B Hlth Sci, Health Sciences UG Cross Inst.

This unit of study introduces students to the concept and meaning of health promotion and how it is different from health education. The

unit ends up with a comparative study of a mainstream and Indigenous health promotion initiative.

*Textbooks*

Readings will be provided

#### AHCD4035

##### Primary Health Care III Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Block mode  
**Prerequisites:** AHCD2015 Primary Health Care II **Assessment:** In-class assessment, written assignment **Campus:** Cumberland **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), Health Sciences UG Cross Inst.

This unit of study builds on the concepts of primary health care explored in AHCD1030 Primary Health Care 1 and AHCD2015 Primary Health Care II. Students will critically examine primary health care in Indigenous communities. There will also be a consideration of how PHC can be used to facilitate action for change.

#### AHCD4040

##### Addictions Counselling Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Block mode  
**Assumed knowledge:** AHCD1032 Introduction to Counselling Skills  
**Assessment:** Practical survey (25%), 500 word written letter (15%), 2000 word essay (40%), 250 word written/class exercise (20%) **Campus:** Cumberland  
**Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev).

The relationship between addiction and personality will be explored in depth. Specific addictions such as addiction to gambling will be discussed. Part of the assessment for this unit will require students to present a relevant case study for discussion.

#### AHCD4042

##### Wellness Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Block mode  
**Prerequisites:** AHCD1032 Introduction to Counselling Skills **Assessment:** In-class assessment, written assignment **Campus:** Cumberland **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev).

This unit will encourage students to focus their attention on the conditions required for healthy living from a holistic perspective of Indigenous health. Students will be asked to consider the positive environmental influences required for individuals and communities to achieve and maintain a state of healthy well-being. Contributions to an understanding of wellness will be sought from traditional Aboriginal culture and custom, anthropology, sociology and psychology. Content for this unit will be thematic and be determined by current student interest.

#### AHCD4049

##### Skills for Teaching Health Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Block mode  
**Assessment:** 250 word in-class tutorial questions (10%), 2000 word written report description of the context of your teaching session (30%), a description of the teaching methods, justify your selection of teaching methods (30%), 10min microskill's presentation (20%), 500 word reflection report (10%) **Campus:** Cumberland **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev).

This unit provides an opportunity for students to identify and develop teaching skills for use in their professional roles as health workers. The content for this unit will include: principles of adult learning; the teaching process; instructional design; the skills of questioning,

explaining and facilitating small group discussions; and the preparation and use of audiovisual teaching materials.

#### AHCD4052

##### Honours Workshop Health Sciences

**Credit points:** 6 **Session:** Semester 1 **Classes:** Block mode **Assessment:** Continuous assessment **Campus:** Cumberland **Mode of delivery:** Block Mode

*Note: This unit is available only to students admitted to the honours program*

**Associated degrees:** B B Hlth Sc (Hons), B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev).

This unit of study is divided into two semesters. In Semester 1, students will concentrate on the further development of their literature review and collection of the data. Analysis and interpretation of the data towards the first draft of the honours thesis will also be covered in this semester. In Semester 2, redrafting and rewriting of the thesis will be maintained and continued.

*Textbooks*

Individual based

#### AHCD4053

##### Human Rights and Social Justice Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 6hrs/block, 3 blocks/semester **Assessment:** 800-1000 word essay (20%), 800-1000 word essay (20%), 2000-2500 word report on a policy (50%), 500 word reflection (10%) **Campus:** Cumberland **Mode of delivery:** Distance Education/Intensive on Campus

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Aborig Hlth &Comm Dev) Hons, B Hlth Sc (Aborig Hlth &Comm Dev), B Hlth Sc (Hons), B Hlth Sci.

This unit of study will examine human rights and social justice issues from an Australian Indigenous perspective at international, national and local levels. It discusses the effect of these issues on the health and welfare of Indigenous peoples' lives. The unit will detail the optimum standard for health and justice advocated by the international human rights treaty system, and discusses the Australian government's responsibility, accountability and the success and failures towards these benchmarks. The unit is based on participation and includes literature review and group discussions.

#### AMME0011

##### International Exchange B Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Department permission required for enrolment. **Assessment:** Pass/Fail, based on marks returned from the Overseas Institution. Not included in WAM calculations  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

A generic 6cp exchange unit for students going on International Exchange.

#### AMME0012

##### International Exchange C Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Department permission required for enrolment. **Assessment:** Pass/Fail, based on marks returned from the Overseas Institution. Not included in WAM calculations  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

A generic 6cp exchange unit for students going on International Exchange.

#### AMME0013

##### International Exchange D

## Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Department permission required for enrolment. **Assessment:** Pass/Fail, based on marks returned from the Overseas Institution. Not included in WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

A generic 6cp exchange unit for students going on International Exchange.

### AMME0014

#### International Exchange E

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Department permission required for enrolment. **Assessment:** Pass/Fail, based on marks returned from the Overseas Institution. Not included in WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

A generic 6cp exchange unit for students going on International Exchange.

### AMME0015

#### International Exchange F

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Department permission required for enrolment. **Assessment:** Pass/Fail, based on marks returned from the Overseas Institution. Not included in WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

A generic 6cp exchange unit for students going on International Exchange.

### AMME0016

#### International Exchange G

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Department permission required for enrolment. **Assessment:** Pass/Fail, based on marks returned from the Overseas Institution. Not included in WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

A generic 6cp exchange unit for students going on International Exchange.

### AMME0017

#### International Exchange H

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Department permission required for enrolment. **Assessment:** Pass/Fail, based on marks returned from the Overseas Institution. Not included in WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

A generic 6cp exchange unit for students going on International Exchange.

### AMME0018

#### International Exchange I

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** Department permission required for enrolment. **Assessment:** Pass/Fail, based on marks returned from the Overseas Institution. Not included in WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

A generic 6cp exchange unit for students going on International Exchange.

### AMME1550

#### Dynamics 1

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (2 hrs lec and 3 hrs tut) per week **Assessment:** Assignments, quizzes, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E.

This unit aims to develop an understanding of the basic methods required to perform kinematics and dynamic analysis on particles.

Students will develop skills in solving problems in kinematics and dynamics of particles.

Course content will include: Newton's laws, kinematics of particles: rectilinear motion, plane curvilinear motion, rectangular coordinates, normal and tangential coordinates, polar coordinates, space curvilinear motion, relative motion, constrained motion, kinetics of particles: force, mass and acceleration; Newton's second law, equation of motion, rectilinear motion, curvilinear motion, work and energy; work and kinetic energy, potential energy, impulse and momentum; linear impulse and linear momentum, angular impulse and momentum, impact, central-force motion, relative motion, Kinetics of systems of particles: work-energy, impulse-momentum, conservation of energy and momentum, steady mass flow, variable mass. By the end of this unit of study student will be able solve complicated kinematics and dynamics problems of particles in both 2 and 3 dimensions.

### AMME2200

#### Thermodynamics and Fluids

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (3hrs lec, 2hrs tut, 3hrs lab) per week. **Assumed knowledge:** MATH1001; MATH1002; MATH1003. **Assessment:** Assignments, quizzes, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit aims to teach the basic laws of thermodynamics and the fundamentals of fluid statics and dynamics.

At the end of this unit students will have: an understanding of the basic laws of thermodynamics and basic equations governing the statics and dynamics of fluids; the ability to analyze the thermodynamics of a simple open or closed engineering system; the ability to analyze and determine the forces governing static fluid; the ability to evaluate the relevant flow parameters for fluid flow in internal engineering systems such as pipes and pumps (velocities, losses, etc.) and external systems such as flow over wings and airfoils (lift and drag).

Course content will include concepts of heat and work, properties of substances, first law of thermodynamics, control mass and control volume analysis, thermal efficiency, entropy, second law of thermodynamics, reversible and irreversible processes, isentropic efficiency, power and refrigeration cycles; basic concepts of pressure, force, acceleration, continuity, streamline and stream function, viscosity, non-dimensional parameters; Fluid statics: governing hydrostatic equations, buoyancy; Fluid dynamics: governing conservation equations; Potential flow, vorticity and circulation; Bernoulli and Euler equations; A brief introduction to flow measuring devices, pipe flow, flow over surfaces, lift and drag.

*Textbooks*

Cengel and Turner, Fundamentals of Thermal Fluid Sciences, McGrawhill

### AMME2301

#### Mechanics of Solids

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (3hrs lec and 2hrs tut) per week. **Prerequisites:** (MATH1001 or MATH1901 or MATH1906), (MATH1002 or MATH1902), (MATH1003 or MATH1903 or MATH1907), (ENGG1802 or PHYS1001 or PHYS1901) **Assessment:** Assignment, lab report, quiz, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day



**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit aims to teach the fundamentals of analysing stress and deformation in elemental structures/components in aerospace, mechanical and biomedical engineering (bars, beams, frames, cell box beams and tubes) under simple and combined loading of tension, compression, bending and torsion. The vibration will also be addressed.

At the end of this unit students will have gained knowledge of: equilibrium of deformable structures; basic concept of deformation compatibility; stress and strain in bars, beams and their structures subjected to tension, compression, bending, torsion and combined loading; statically determinate and indeterminate structures; energy methods for bar and beam structures; simple buckling; simple vibration; deformation of simple frames and cell box beams; simple two-dimensional stress and Mohr's circle; problem-based applications in aerospace, mechanical and biomedical engineering.

### AMME2302

#### Materials 1

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (3hrs lec, 2hrs tut) per week plus two 3hr labs sessions per semester **Prohibitions:** CIVL2110 **Assessment:** Assignment, lab reports, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit aims to cover four key focus areas: Atomic structure of the solid state: atomic bonding, crystal structures, crystal imperfections, and diffusion; Mechanical properties and microstructure: the relationship between properties and microstructure, and the effects of heat treatment on properties and microstructure; Electrical, magnetic, thermal, and optical properties of materials; Manufacture and applications of materials: metals, ceramics, polymers.

At the end of this unit students will have gained an understanding of: the ways in which atoms are arranged in the solid state; the ways in which their arrangement and the imperfections of their arrangement affect the macroscopic properties of a material; gain an understanding of the various types of properties of materials, how to measure and calculate them, and how to use these skills in engineering design and failure analysis; gain an understanding of the means by which the properties of materials can be manipulated via heat treatment, alloying, and other means.

Course content will include: Atomic Structure/Crystallography; Microstructure - Composites/Monolithics; Dislocation Theory; Diffusion; Phase Equilibrium and Heat Treatment; Suspension Rheology; Physical Properties.

#### Textbooks

William D. Gallister, Jr., Materials Science and Engineering-An Introduction, 6th edition, John Wiley & Sons, 2003.

#### Reference

Michael F. Ashby and David R.H. Jones, Engineering materials 1: an introduction to their properties and applications, 2nd edition, Butterworth-Heinemann, 1996.  
Michael F. Ashby and David R.H. Jones, Engineering materials 2: an introduction to microstructures, processing and design, 2nd edition, Butterworth Heinemann, 1998.

Alan R. Bailey, The Role of Microstructure in Metal, Metallurgical Services, 1966.

Alan R. Bailey, Introductory Practical Metallography, Metallurgical Services, 2nd edition, Metallurgical Services, 1966.

Alan R. Bailey, The Structure and Strength of Metal, Metallurgical Services, 1967.

Vernon B. John, Understanding Phase Diagrams, Macmillan, 1974.

### AMME2500

#### Engineering Dynamics

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (Three 1hr lec; one 2hr tut) per week and two 3hr workshops per semester **Prerequisites:** (MATH1001 or MATH1901 or MATH1906), (MATH1002 or MATH1902), (AMME1550 or PHYS1001 or PHYS1901 or ENGG1802 prior to 2008) **Assessment:** Assignment, lab work, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit of study aims to teach: Dynamics of Rigid Bodies: Analysis of Planar mechanisms; Kinematics of rigid bodies; Kinetics of rigid bodies. Students will also develop their skills in: how to model and analyse dynamic systems and the application of theory to real systems through practical/laboratory sessions.

At the end of this unit students will have developed skills in modelling and analysing planar mechanisms and rigid body dynamic systems.

Course content will include planar mechanisms, linkages, mobility; instant centres of rotation, Kennedy's theorem; velocity and acceleration polygons; kinematics of rigid bodies, frames of reference, velocity and acceleration, rotating frame of reference, relative velocity and acceleration, gyroscopic acceleration; kinetics of rigid bodies, linear momentum and Euler's first law; angular momentum and Euler's second law; centre of mass; moments of inertia, parallel axis and parallel plane theorems, principal axes and principal moments of inertia, rotation about an axis; impulse and momentum; work and energy, kinetic and potential energies; applications to orbital and gyroscopic motion; introduction to Lagrangian methods.

### AMME3110

#### Project A

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prohibitions:** AMME4110 Project B **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E, UG Summer/Winter School.

Supervised project on a relevant engineering discipline.

### AMME3500

#### System Dynamics and Control

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (lec 2hrs, lab/tut 3hrs) per week **Prerequisites:** AMME2500 or MECH2500; MATH2061 or MATH2961 or MATH2067 or (MATH2001 or MATH2901 and MATH2005 or MATH2905) **Assumed knowledge:** AMME2500, MATH2061 **Assessment:** Assignment, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit aims to introduce the methods used for the analysis and design of linear feedback control systems. There are three key focus areas: An understanding of how mechanical systems respond to control inputs and disturbances, and how one can analyse and interpret these responses mathematically and graphically; To be able to represent these mechanical systems in a feedback control system as well as being able to determine what desired specifications of the system would be achievable, practical and important when the system is under control; An understanding of how different theoretical and practical techniques help engineers in designing control systems, and which technique best helps in solving a given problem.

Course content will include concentration on linear systems and will be based on classical control theory. Topics covered will include system modelling, time and frequency response, stability, root locus and Bode diagrams, and control using computers. Computer programs Matlab and Simulink will be used to illustrate the concepts presented in the lectures and for the design and simulation exercises associated with the case studies. Labs will be undertaken using a variety of physical plants to highlight the nature of control systems engineering. A number of case studies based on practical examples will also be presented.

### AMME4010

#### Major Industrial Project

#### Engineering and Information Technologies

**Credit points:** 24 **Session:** Semester 1, Semester 2 **Classes:** Students spend 6 months at an industrial placement working on an engineering project relevant to their engineering stream. **Prerequisites:** Passed at least 144 credit points. Departmental permission required for enrolment **Assessment:** Thesis; case study reports; oral presentations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study will give students a rich experience in carrying out a major project within an industrial environment, and in preparing and presenting detailed technical reports (both oral and written) on their work. The project is carried out under joint University/industry supervision and extends over several months, with the student essentially being engaged fulltime on the project at the industrial site. Student will obtain the following essential engineering skills: how to examine published and experimental data; set objectives; organise a programme of work; analyse results and evaluate these in relation to existing knowledge; presentation skills.

#### AMME4100

##### Practical Experience Engineering and Information Technologies

**Session:** Semester 1, Semester 2 **Prerequisites:** 30 credit points of second year units of study. **Assessment:** Evaluation of an industrial experience report. **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B E.

The aim of this unit is to give students the opportunity to work in an engineering organisation and gain some professional experience. To enhance student abilities and experience in technical report writing.

Students will have a better appreciation of the role of engineers in the workplace, the ability to present structured observations and reflections in the mode of a formal written report.

Each student is required to work as an employee of an approved engineering organisation and to submit a satisfactory written report of his or her work. Normally 12 weeks (60 days) of practical work experience is required and this is undertaken after the completion of some or all of the prescribed second year core units of study and before enrolment in the final year of study. The University Careers and Appointments Service is available to assist students to obtain suitable employment. This unit of study must be passed in order to graduate.

#### AMME4103

##### Interdisciplinary Thesis A Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** It is expected that students will spend at least one full day per week undertaking background research work, organising their plan of work and preparing their experimental or developmental program. **Prerequisites:** 36 credit points of Third Year units of study. **Assessment:** Satisfactory or Unsatisfactory on the basis of the Proposal, Progress Report and actual progress as verified by the supervisor. The student can only progress to Thesis B on attainment of a satisfactory result in Thesis A. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: 0*

**Associated degrees:** B E.

This unit aims to involve students in a research or major design project and give them the opportunity to conduct systematic investigations. Learning outcomes: ability to plan; submit a Proposal; autonomously carry out a project and write a Progress Report at the end of semester. In this unit of study, each candidate works towards and writes an undergraduate thesis from work carried out in Thesis A and B. Towards the end of each academic year a list of suggested topics and supervisors for thesis work is published for the information of current Third year students. In the case of students enrolling in Thesis A in 2nd semester, topics will be made available in 1st semester. Each prospective Fourth year student is then required to consult with prospective supervisors to apply for a topic. In the normal course of events some or all of the theoretical, developmental, and experimental aspects of research or design work are expected in a thesis. These aspects may be either directed by the supervisor or be of an original nature, but in any event the student is directly responsible to his or her supervisor for the execution of his or her practical work and the general layout of the thesis itself. Thesis A is the first part of Thesis A and Thesis B and requires the student to make significant progress toward the objectives outlined in the Proposal. This includes any workshop drawings and experimental set up. Generally about 50% of the total Thesis A & B time should be spent in Thesis A. Progress is

assessed by the supervisor through regular contact with the student and through the formal Progress Report.

#### AMME4104

##### Interdisciplinary Thesis B Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** It is expected that students will spend at least one full day per week undertaking background research work, organising their plan of work and preparing their experimental or developmental program. **Prerequisites:** AMME4103 Interdisciplinary Thesis A **Assessment:** Assessment for this unit will be based on the evaluation of the progress report (10%) submitted at the end of Thesis A, the presentation of a seminar relating to their chosen topic (10%) and the thesis document itself (80%). The final grade for thesis is based on the work done in both Thesis A and Thesis B. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: 0*

**Associated degrees:** B E.

This unit aims to involve students in a research or major design project and give them the opportunity to conduct systematic investigations. Each candidate works towards and writes an undergraduate thesis, at least one copy of which should be submitted in completed form before a date to be announced. Thesis B is the second part of Thesis A and Thesis B and requires the student to continue from the progress attained in Thesis A. In the normal course of events some or all of the theoretical, developmental, and experimental aspects of research or design work are expected in a thesis. These aspects may be either directed by the supervisor or be of an original nature, but in any event the student is directly responsible to his or her supervisor for the execution of his or her practical work and the general layout of the thesis itself. Theses should be typewritten on A4 with text, diagrams, graphs, photographs, etc., properly displayed. One copy should be submitted, hard-bound for the departmental library, on or before the due date. The penalty rate for late submissions will be advertised. Students are responsible for supplying their own thesis production materials. At the end of this unit students will have the ability to plan and execute a complete piece of scientific work and to report their study in a thesis.

#### AMME4110

##### Project B Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prohibitions:** AMME3110 Project A **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E, UG Summer/Winter School.

Supervised project on a relevant engineering discipline.

#### AMME4111

##### Honours Thesis A Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Colin Dunstan **Session:** Semester 1, Semester 2 **Classes:** None, but it is expected that students will spend at least one full day per week undertaking background research work, organising their plan of work and preparing their developmental program. **Prerequisites:** 36 credit points of senior units of study and WAM 65 or over **Prohibitions:** AMME4121 Engineering Project A, AMME4122 Engineering Project B, AMME4103, AMME4104 **Assessment:** Progress Report - 10%; Seminar - 10%; Thesis - 80% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study aims to give students an understanding of how to define, plan, undertake and report on an open-ended piece of supervised research or design work.

Students are required to plan and begin working on a major research or design project. Some projects will be experimental in nature, others may involve computer-based simulation, feasibility studies or the design, construction and testing of equipment.

Toward the end of each academic year a list of suggested topics and supervisors for honours thesis work is published for the information

of current third year students. Each prospective Honours Thesis A student is expected to consult with supervisors and to select a topic of interest to them from the list. Availability of topics is limited and students should undertake to speak with prospective supervisors as soon as possible.

Students who are unable to secure a supervisor and topic will be allocated a supervisor by the unit coordinator.

Alternatively, students may do a thesis with a supervisor in industry or in another university department. In this case, the student must also find a second supervisor within the School of AMME.

An honours thesis project is done individually, although students will often be working within a research group involving other undergraduate and postgraduate students.

During the course of this unit of study, students will learn how to examine published and experimental data, set objectives, organize a program of work and devise an experimental or developmental program.

The progress at the end of Honours Thesis A will be assessed by the supervisor based on: interactions between the student and supervisor during the course of the semester; a Thesis Proposal submitted around week 5; and a formal Progress Report submitted at the end of the semester. The Progress Report should consist of the introduction and literature review sections and a skeleton outline of remaining sections of the final Thesis, plus a one to two page summary of the student's progress during the semester and an outline of work to be completed during the second semester.

Honours Thesis A is only available to students with a GWAM of 65 or over at the time of their enrolment into this unit of study. Students with a GWAM less than 65 must enrol in Project A instead of Honours Thesis A. Students doing Project instead of Honours Thesis will still be awarded an honours degree if their HWAM is above 65 on completion of their degree. Overall the expected learning outcomes of Project and Honours Thesis are similar. The main differences are that in Project there is a greater emphasis on more practical engineering projects and team work, whereas an Honours Thesis will typically have more of a research focus, and is undertaken individually.

### **AMME4112 Honours Thesis B Engineering and Information Technologies**

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Colin Dunstan **Session:** Semester 1, Semester 2 **Classes:** None, but it is expected that students will spend at least one to two full days per week undertaking background research work, organizing their program of work, preparing and analysing results and writing the thesis. **Prerequisites:** AMME4111 Honours Thesis A **Prohibitions:** AMME4121 Engineering Project A, AMME4122 Engineering Project B, AMME4103, AMME4104 **Assessment:** Progress Report - 10%; Seminar - 10%; Thesis - 80% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study aims to give students an understanding of how to define, plan, undertake and report on an open-ended piece of supervised design or research work.

Students continue working on the thesis project started in Honours Thesis A.

During the course of this unit of study, students will develop the following skills: an ability to complete a major research or design project; an ability to design and conduct experiments and to analyse and interpret data from those experiments or design; an ability to find and interpret relevant published information and data; an ability to prepare and submit a Thesis detailing the context of the problem, relevant background research and results of the investigation; an ability to work independently.

The Thesis document will be judged on the extent and quality of the student's original work and particularly how critical, perceptive and constructive he or she has been in assessing his/her work and that of others. Students will also be required to present a Seminar on the results of their findings to their peers and supervisor.

### **AMME4121 Engineering Project A Engineering and Information Technologies**

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Colin Dunstan **Session:** Semester 1, Semester 2 **Classes:** None, but it is expected that students will spend at least one full day per week undertaking background research work, organising their plan of work and preparing their developmental program. **Prerequisites:** 36 credit points of senior units of study. **Prohibitions:** AMME4111, AMME4112, AMME4103, AMME4104 **Assessment:** Progress Report - 10%; Seminar - 10%; Final Report - 80% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study aims to give students an understanding of how to define, plan, undertake and report on an open-ended piece of supervised design or research work while working in a group.

Students are required to plan and begin working on a major design or research project. Some projects will be experimental in nature, others may involve computer-based simulation, feasibility studies or the design, construction and testing of equipment.

Toward the end of each academic year a list of suggested topics and supervisors for project work is published for the information of current third year students. Each prospective Project A student is expected to consult with supervisors and to select a topic of interest to them from the list. Availability of topics is limited and students should undertake to speak with prospective supervisors as soon as possible. Students who are unable to secure a supervisor and topic will be allocated a supervisor by the unit coordinator.

Projects are undertaken in groups of two or more students. The number of students in a group will depend on the nature of the particular project, and will be determined by the supervisor. Students who would like to work together in a group are advised to approach prospective supervisors together.

During the course of this unit of study, students will learn how to examine published and experimental data, set objectives, organize a program of work and devise an experimental or developmental program.

The progress at the end of Project A will be assessed by the supervisor based on: interactions between students and supervisor during the course of the semester; a Proposal submitted around week 5; and a formal Progress Report submitted at the end of the semester. The Progress Report should consist of the introduction and literature review sections and a skeleton outline of remaining sections of the Final Report. This may be done either as a group or individually depending on the project, as determined by the supervisor. In addition each student is required to submit a one to two page summary of their progress during the semester and an outline of work to be completed during the second semester.

Project is available to all students, whereas Honours Thesis is only available to students with a GWAM of 65 or over at the time of their enrollment into this unit of study. Students with a GWAM less than 65 must enrol in Project A instead of Honours Thesis A. Students doing Project instead of Honours Thesis will still be awarded an honours degree if their HWAM is above 65 on completion of their degree. Overall the expected learning outcomes of Project and Honours Thesis are similar. The main differences are that in Project there is a greater emphasis on more practical engineering projects and team work, whereas an Honours Thesis will typically have more of a research focus, and is undertaken individually.

### **AMME4122 Engineering Project B Engineering and Information Technologies**

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Colin Dunstan **Session:** Semester 1, Semester 2 **Classes:** None, but it is expected that students will spend at least one to two full days per week undertaking background research work, organizing their program of work, preparing and analysing results and writing the Final Report. **Prerequisites:** AMME4121 Engineering Project A **Prohibitions:** AMME4111, AMME4112, AMME4103, AMME4104 **Assessment:** Progress Report - 10%; Seminar - 10%; Final Report - 80% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study aims to give students an understanding of how to define, plan, undertake and report on an open-ended piece of supervised design or research work while working within a group.

Students continue working on the design or research project started in Project A.

During the course of this unit of study, students will develop the following skills: an ability to complete a major design or research project; an ability to design and conduct experiments and to analyse and interpret data from those experiments or design; an ability to find and interpret relevant published information and data; an ability to prepare and submit a substantial Final Report detailing the context of the problem, relevant background research and results of the investigation; an ability to work in a team or group.

The Final Report will be judged on the extent and quality of the student's original work and particularly how critical, perceptive and constructive he or she has been in assessing his/her work and that of others. Students will also be required to present a Seminar on the results of their findings to their peers and supervisor. The Final Report and Seminar may be done as a group or individually depending on the nature of the project. This will be determined by the supervisor.

### AMME4210

#### Computational Fluid Dynamics Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (1hr lec, 1hr tut, 2hr lab)/week  
**Prerequisites:** MECH3261 or AERO3260 **Assumed knowledge:** Partial differential equations, finite difference methods, linear algebra, matrix methods, pressure, force, acceleration, continuity, streamline and streamfunction, viscosity, control parameters, non-dimensionalisation. **Assessment:** Tutorials/laboratories, Assignments and Major project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

The aim of this unit is to provide students with an understanding of the theoretical basis of computational fluid dynamics, the ability to write a simple Navier-Stokes solver and the skills to use a state of the art commercial computational fluid dynamics package.

At the end of this unit students will have the ability to assess fluid mechanics problems commonly encountered in industrial and environmental settings, construct and apply computational models, determine critical control parameters and relate them to desired outcomes and write reports. Knowledge skills, thinking skills, personal skills, personal attributes and practical skills.

Course content will include Navier-Stokes equations; finite difference methods; accuracy and stability for the advection and diffusion equations; direct and iterative solution techniques; solution of the full Navier-Stokes equations; turbulent flow; cartesian tensors; turbulence models.

*Textbooks*

Reference books:

Fletcher Computational Techniques for Fluid Dynamics, vols 1 and 2 (Springer, 1988)

Patankar Numerical Heat Transfer and Fluid Flow (Hemisphere, 1983)

### AMME4241

#### Renewable Energy Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1hr lec and one 3hr tut per week **Prerequisites:** MECH3260, MECH3261 **Assessment:** Assignment, project, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Fourth year elective unit of study.*

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to develop understanding of the engineering design and analysis of different devices and technologies for generating power from renewable sources including: solar, wind, wave, tidal, geothermal, hydro-electric, and biofuels;

to understand the environmental, operational and economic issues associated with each of these technologies.

At the end of this unit students will be able to perform in depth technical analysis of different types of renewable energy generation devices

using the principles of fluid mechanics, thermodynamics and heat transfer. Students will be able to describe the environmental, economic and operational issues associated with these devices.

Course content will include motivations - climate change; first and second law efficiencies, exergy; solar energy - photovoltaic, solar thermal; wind energy - turbine design, choice of site, operational issues; wave and tidal energy - analysis of different wave generation devices; geothermal energy - geological considerations, choice of site, large scale plants, geothermal energy in buildings; hydro-electric power - design and function of hydro-electric power plants, operational issues; biofuels - types, applications, carbon budget analysis; general issues - variable output, integration of renewable energy sources into power grid.

### AMME4500

#### Guidance and Control Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (one 2hr lec and one 3hr tut) per week **Prerequisites:** AMME3500. **Assessment:** Assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study will extend the concepts of control theory that students were introduced to in classic control techniques in third year. This subject will focus on state space design and focus on modern control techniques. Students will also look into aspects of controllability and observability of systems. The subject will also focus on particular implementations and students will design their own control system. Students will also study the concepts of trajectory planning and trajectory control. Students will solve specific trajectory and control examples related to the motion of complex platforms.

### AMME4660

#### Management, Employees and Industrial Rel Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hours lecture and 3 hours tutorial per week **Assessment:** Assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to develop an understanding of industrial relations issues in Australia, Government regulations, awards and agreements, and how they relate to companies, management, employers, employees, and unions. Students will develop skills and understanding of Australian regulations and awards, negotiation of workplace agreements, enterprise bargaining agreements, and working with unions. The course will be viewed from the perspective of all players in the system so that a new graduate, who will at some time fit all categories, has an understanding of employer/employee relationships in the workforce. Guest lecturers will be invited from industry (management, unions, etc.) to present their experiences in industrial relations. Role playing will be used to simulate working environments to develop skill in handling grievances, resolving conflicts, and develop negotiating skills.

By the end of this unit of study students will be better prepared to enter the workforce as both an employee and as a manager.

### AMME4700

#### Inertial Navigation & the Kalman Filter Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (one 2hr lec and one 3hr tut) per week **Prerequisites:** AERO4701 or MECH4720 or MECH4730 or MTRX4700 or AERO4560. **Assessment:** Assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study introduces students to the concepts of stochastic processes and statistical estimation. The subject will focus primarily on the theoretical underpinnings of the Kalman Filter. Students will delve into the Kalman Filter algorithm and its practical implementation. Examples of its use from a broad range of areas will be provided. The subject will then move onto the specific implementation of the Kalman

Filter when applied to inertial navigation, and students will be design and implementing their own navigation filter.

### AMME4710

#### Computer Vision and Image Processing Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (3hrs lec, 3hrs tut/lab) per week **Prerequisites:** MECH4720 or MECH4730 **Assessment:** Three assignments, major project and a final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study introduces students to vision sensors, computer vision analysis and digital image processing. This course will cover the following areas: fundamental principles of vision sensors such as physics law, radiometry, optical design, CMOS/CDD imagers architecture, photo-detector, colour reconstruction; the design of physics based models for vision will then be introduced, (i.e. reflectance models, photometric invariants, radiometric calibration, shape from shading).

This course will also presents Algorithms for video/image analysis, transmission and scene interpretation. This will cover topics such as image enhancement, restoration, compression, stereo correspondence, pattern recognition and object segmentation.

#### Textbooks

Recommended texts

Sharma, Digital color imaging, CRC Press.

Faugeras & Luong, The geometry of multiple images, MIT Press.

Lim, Two dimensional signal and image processing, Prentice Hall.

### AMME4790

#### Introduction to Biomechanics Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (2hr lec, 2hr lab, 1hr tut) per week **Prerequisites:** MTRX3700 or MECH3921 **Assessment:** Tutorials, assignments and exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

Biomechanics is the application of mechatronic engineering to human biology and as such it forms an important subset of the overall biomedical engineering discipline. It involves the following: Active and passive prosthetic limbs and joints; Active implants; Bio interfaces for diagnostics and control; Sensing & biofeedback; Bio electrical signal processing; Haptic devices; Tele surgery; Robot based surgery; Medical imaging; Mobility aids, rehabilitation devices & home care, and care of aged; The future.

### AMME4971

#### Tissue Engineering Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3hrs lec per week **Prerequisites:** BIOL1003 or 6cp of junior biology; CHEM1101 or 6cp of junior chemistry; MECH2901 or MECH2900 **Assumed knowledge:** MECH3921 **Assessment:** Group report, group seminar, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to provide an introduction to the principles of tissue engineering, as well as an up to date overview of recent progress in the field of tissue engineering and where it is going. This unit assumes prior knowledge of cell biology and chemistry and builds on that foundation to elaborate on the important aspects of tissue engineering. The objectives are to: gain a basic understanding of the major areas of interest in tissue engineering; learn to apply basic engineering principles to tissue engineering systems; understand the challenges and difficulties of tissue engineering.

At the end of this unit students will have a theoretical understanding of the basic concepts of tissue engineering: cell culturing; stem cells and engineering cell differentiation; engineering scaffolds, seeding and vascularising them; clinical applications of tissue engineering.

Course content will include: introduction to tissue engineering and the limitations of biomaterials and donor transplants; cell culturing principles and procedures; stem cells: totipotency, multipotency,

pluripotency, and differentiation; engineered tissue scaffolds; scaffold seeding; scaffold vascularisation; ethical considerations; specific biomedical engineering applications.

### AMME4981

#### Applied Biomedical Engineering Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hrs lectures or seminars/week in a 3-hr block **Prerequisites:** BIOL1003 or 6cp of junior biology; CHEM1101 or 6cp of junior chemistry; MECH2300 or AMME2302 **Assumed knowledge:** MECH3921 or MECH3920, MECH3300 or MECH3362, MECH4960 **Assessment:** Group report, group seminar. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

Computer simulation is a very important aspect of engineering in general, and biomedical engineering specifically. This is because it overcomes the problems of clinical, ethical, and design considerations involved in testing early prototypes on live subjects. This unit of study will take a project-based-learning approach to the topic of computer simulation and design optimization of biomedical devices through lectures and facilitated design work and group seminars. The primary focus will be on finite element modeling, and biomedical implantable devices. After some weeks of lectures on these topics, students will form into teams and use computer simulation techniques to develop and optimize their design.

### AMME4990

#### Biomedical Product Development Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Colin Dunstan **Session:** Semester 1 **Classes:** 2 hours of Lectures and 2 hours of Tutorials per week **Prerequisites:** BIOL1003 or 6 credit points of junior biology CHEM1101 or 6 credit points of junior chemistry MECH2901 or 6 credit points of intermediate physiology or equivalent MECH3921 **Assumed knowledge:** Junior level chemistry, intermediate level biology, and specific knowledge of cell biology at least at the junior level, and preferably at the intermediate level. **Assessment:** Final 2 hour open-book exam - 50%; Assignment on a product development issue - 50%; The assignment is due on Thursday week 13 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

Elective Unit of Study: Translating new concepts to marketable products in the biomedical area presents unique challenges. Development of good manufacturing and quality control processes, preclinical and clinical validation of product safety and efficacy, and regulatory filings, are each progressive and interdependent processes. This UoS will provide a broad understanding of regulatory requirements for biomedical product development, with particular emphasis on the dependence of each component on the development of processes and control systems that conform to Good Manufacturing Practice. Students will gain a broad understanding of biomedical product development, becoming familiar with the challenges and difficulties of Good Manufacturing Practice, the purpose and conduct of preclinical and clinical testing, and how each of these components fit together to support regulatory filings.

### AMST2601

#### American Foundations Arts

**Credit points:** 6 **Teacher/Coordinator:** Sarah Gleeson-White, Department of English **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 junior level credit points in the departments of English, and/or History and/or Art History and Film, in the Faculty of Arts **Assessment:** Close-reading exercise (1000 words); essay (2000 words); take-home exam (1500 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit introduces students to the contradictory richness of "Americanness" from an interdisciplinary standpoint and prepares them for the Major in American Studies. It is divided into different modules, each addressing a core national myth. We will approach

each module from a variety of angles: historiographical, literary and visual, opening lines of interrelation between historical and imaginary forms in the construction and ongoing redefinition of the United States.

#### AMST2801

##### American Studies Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr S Gleeson-White **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in American Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the American Studies Program.

#### AMST2802

##### American Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

See AMST2801

#### AMST2803

##### American Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

See AMST2801

#### AMST2804

##### American Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

See AMST2801

#### AMST2805

##### American Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

See AMST2801

#### AMST2806

##### American Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

See AMST2801

#### ANAT2008

##### Principles of Histology

##### Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Laura Lindsay **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practical per week; online and

museum exercises (6 hours per week total) **Prerequisites:** 12 credit points of Junior Biology or Junior Psychology **Prohibitions:** ANAT2001 **Assumed knowledge:** General concepts in human biology **Assessment:** One 1 hour theory exam, one 1 hour practical exam, four quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Sc, UG Study Abroad Program.

This unit of study covers the principles of cell biology and study of the structure of cells, tissues and organ systems at the light and electron microscopic levels. The focus is on human systems. Extension exercises introduce students to the connection between histology and anatomy. Modern practical applications of histological techniques and analysis for research are also presented.

##### Textbooks

Ross, MH and Paulina W. Histology-A Text and Atlas. 5th Edition, Lippincott Williams and Wilkins, New York. 2006

#### ANAT2009

##### Comparative Primate Anatomy

##### Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Denise Donlon **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical per week; museum project. **Prerequisites:** 12 credit points of Junior Biology or Junior Psychology or Junior Archaeology. **Prohibitions:** ANAT2002 **Assumed knowledge:** Knowledge of basic vertebrate biology **Assessment:** One 1 hour theory exam, one 30 min prac exam, two quizzes, one 2000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Adv)(Hons), B Sc, UG Study Abroad Program.

This unit of student covers the musculo-skeletal anatomy of the human body with particular emphasis on human evolution and comparisons with apes and fossil hominids. The topics covered include the versatility of the human hand, in manipulation and locomotion, bipedalism, climbing and brachiation in apes, and the change in pelvic anatomy associated with bipedalism and obstetric consequences.

##### Textbooks

Kapit, W and Elson, LM The Anatomy Coloring Book. Addison-Wesley. 2001  
Reference books:  
Aiello, L and Dean, C. An Introduction to Human Evolutionary Anatomy. Academic Press 1990.  
Zilman, AL. The Human Evolution Coloring Book. Barnes and Noble, Sydney. 1982

#### ANAT2010

##### Concepts of Neuroanatomy

##### Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Karen Cullen **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** BIOL (1003 or 1903) and one of: ANAT2008 or BIOL (1002 or 1902) or MBLG(1001 or 1901 or 2071 or 2971) or PSYC (1001 and 1002). Students must have a grade of credit in at least one of the prerequisite units. **Prohibitions:** ANAT2003 **Assumed knowledge:** Background in basic cell biology and basic mammalian biology. **Assessment:** One 1.5 hour theory exam, one 1 hour practical exam, 2000 word essay, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Sc, UG Study Abroad Program.

Students are introduced to the structure and organisation of the central and peripheral nervous system. The course begins with an exploration into the make-up of the individual cells, followed by an examination of the different regions of the nervous system. A final theme of the course touches on the organisation of various systems (sensory and motor), together with aspects of higher-order function (memory). In essence, the course covers general concepts of organisation, structure and function of the brain and its different areas. The practicals offer students the unique opportunity to examine specimens in the Anatomy labs and museum. This course will be of considerable interest to students studying science and related disciplines, as well as those wishing to pursue further study in Neuroscience at senior levels.

##### Textbooks

Bear, MF, Connors, BW and Paradiso, MA. Neuroscience: Exploring the Brain. Third edition. Williams and Wilkins. 2006.

#### ANAT2551

##### Anatomy and Histology Exchange

**Medicine**

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**ANAT2552****Anatomy and Histology Exchange  
Medicine**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Lib Stud, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**ANAT2553****Anatomy and Histology Exchange  
Medicine**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Lib Stud, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**ANAT2554****Anatomy and Histology Exchange  
Medicine**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Lib Stud, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**ANAT2555****Anatomy and Histology Exchange  
Medicine**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Lib Stud, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**ANAT3004****Cranial and Cervical Anatomy  
Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Robin Arnold **Session:** Semester 2 **Classes:** One 1 hour lecture and two 2 hour tutorials per week. **Prerequisites:**

ANAT2009 or ANAT2010 or BMED2803 or BMED2804 or BMED2805 or BMED2806 **Prohibitions:** ANAT3904 **Assumed knowledge:** General knowledge of biology. **Assessment:** Theory exam, prac exam, continuous assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: The completion of 6 credit points of MBLG is highly recommended.*

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

This unit of study covers skull, muscles of facial expression, muscles of jaw and neck, ear, eye, nose, oral cavity and larynx and pharynx as well as peripheral distribution of cranial nerves in the head and neck. The functional components of the cranial nerves and their relationship to the special senses and special motor functions such as facial gesture and speech are also studied. Tutorials are designed to encourage students to develop their own approach to the understanding and organisation of subject material. Communication of key concepts and presentation of subject material in an academic context are encouraged and assessed in a major assignment.

*Textbooks*

Rohan, Yokochi and Lutjen-drecoll, Color Atlas of Human Anatomy.

**ANAT3006****Forensic Osteology  
Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Denise Donlon **Session:** Semester 1 **Classes:** Two 1 hour lectures, one 2 hour tutorial and one 1 hour practical per week. **Prerequisites:** Credit in ANAT2009 or Credit in ANAT2002 (for students who completed Intermediate study before 2005) **Assumed knowledge:** An understanding of basic human musculoskeletal anatomy. **Assessment:** One 1.5 hour theory exam, one 30 min. prac exam, continuous assessment, case study **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: The completion of 6 credit points of MBLG is highly recommended.*

**Associated degrees:** B A (Adv)(Hons), B Sc, UG Study Abroad Program.

This unit of study aims to introduce students to the area of forensic osteology, which is the study of human skeletal remains within the legal context. Thus the unit of study aims to help students learn about human morphology and variation through the investigation and identification of human bones. It will also help students gain skills in observation and rigorous record taking and in analysis and interpretation. Production of case reports and practice in acting as 'expert witness' will improve students written and oral skills. An additional objective will be to assist students in learning to deal with legal and ethical issues.

*Textbooks*

Bass, W. 2005 Human osteology: a laboratory and field manual 5th ed. Missouri Archaeological Society Columbia, Mo.

**ANAT3007****Visceral Anatomy  
Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Robin Arnold **Session:** Semester 1 **Classes:** Two 1 hour lectures and two 2 hour practicals per week. **Prerequisites:** ANAT2009 or ANAT2010 **Assumed knowledge:** General knowledge of biology. **Assessment:** Theory exam, prac exam, continuous assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Sc, UG Study Abroad Program.

This unit of study aims to provide an understanding of the anatomy of the viscera of the thorax, abdomen and pelvis. Structures covered include the heart and associated great vessels, lungs, mediastinum and the abdominal viscera, the alimentary organs and the genitourinary system. The structure of anterior thoracic and abdominal walls and pelvis along with the nerve supply to the viscera and relevant endocrine structures is also covered. Emphasis is placed on the relationship of structure to function especially with respect to the important functions of breathing, digestion, excretion and reproduction. Students will also be encouraged to relate their understanding of the structures studied to current research into these structures in related fields such as molecular biology and physiology.

*Textbooks*

Rohan, Yokochi and Lutjen-drecoll. Color Atlas of Human Anatomy.

### ANAT3008 Musculoskeletal Anatomy Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Richard Ward **Session:** Semester 2 **Classes:** Two 1 hour lectures, two 2 hour tutorials/practicals per week. **Prerequisites:** ANAT2009 or ANAT2002 (for students who completed Intermediate study before 2005) or BMED2803 or BMED2804 or BMED2805 or BMED2806 **Prohibitions:** ANAT3005 **Assumed knowledge:** Some knowledge of basic mammalian biology **Assessment:** One assignment, one 1 hour prac exam, one 1.5 hour theory exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

The unit provides an opportunity for students to study the topographical and systems anatomy of the upper limb, lower limb and the back regions. Emphasis is placed upon the identification and description of structures and the correlation of structure with function. This includes for the upper limb, its role in manipulation, for the lower limb standing and walking and for the back flexible support and protection. Emphasis is also given to the innervation of the limbs. The unit also aims to develop the general skills of observation, description, drawing, writing and discussion as applying to biological structure.

### ANAT3551 Anatomy and Histology Exchange Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### ANAT3552 Anatomy and Histology Exchange Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### ANAT3553 Anatomy and Histology Exchange Medicine

**Credit points:** 12 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### ANAT3554 Anatomy and Histology Exchange Medicine

**Credit points:** 12 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### ANAT3904 Cranial & Cervical Anatomy (Advanced) Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Robin Arnold and Dr Laura Lindsay **Session:** Semester 2 **Classes:** Two lectures per week, one 1 hour tutorial per week **Prerequisites:** For Medical Science: Credit in BMED(2803 or 2804 or 2805 or 2806). For BSc and other students Credit in ANAT(3007 or 2010 or 2009). **Prohibitions:** ANAT3004 **Assessment:** Theory exam, practical spot test, participation in dissection practicals and production of detailed weekly reports of the dissection carried out that week **Practical field work:** One 3 hour dissection per week **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Students must receive permission from the coordinators for enrolment. Course is subject to availability of donor material for dissection.*

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

This unit of study is an alternative to ANAT3004 Cranial & Cervical for talented students with a special interest in and need for dissection experience. The lecture/tutorial component of the course is run in conjunction with ANAT3004. Students in the advanced course will study the anatomy of the skull, muscles of face, jaw and neck, eye, ear, nose oral cavity, larynx and pharynx as well as the peripheral distribution of cranial nerves in the neck. Dissection will allow students to find these structures in donated human cadavers for themselves and to study and to understand at least some of the many anomalies and variations which characterise human cranial and cervical anatomy.

*Textbooks*

An Anatomy atlas such as Rohan, Yokochi, Lutjen-Drecoll, Colour Atlas of Human Anatomy

### ANAT4011 Anatomy Honours A Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Hons).

Students enrolled in the Honours program study various advanced aspects of Anatomy. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

### ANAT4012 Anatomy Honours B Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ANAT4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Hons).

Students enrolled in the Honours programs study various advanced aspects of Anatomy. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

### ANAT4013 Anatomy Honours C Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ANAT4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Hons).

Students enrolled in the Honours programs study various advanced aspects of Anatomy. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.



**ANAT4014****Anatomy Honours D  
Medicine**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ANAT4013  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Hons).

Students enrolled in the Honours programs study various advanced aspects of Anatomy. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

**ANHS1600****Foundations for Ancient Greece  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week  
**Prohibitions:** ANHS1003 **Assessment:** Assessable tasks (1000 words), participation, one 1000 word research exercise and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Sc, B Com, Dip Arts, UG Study Abroad Program.

Delphic oracles, epic stories of heroes, graceful temples, tales of lust and tyranny - the Greek world has much to delight and surprise. This unit of study will introduce you to the study of ancient Greek history and culture and provides a springboard for further studies in history, archaeology and literature. It is informed by a cross-disciplinary approach that combines a variety of perspectives to achieve a holistic view of the ancient world.

*Textbooks*

B. Powell and I. Morris. The Greeks: History, Culture and Society. Prentice Hall 2006

**ANHS1601****Foundations for Ancient Rome  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Jeffrey Tatum **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week  
**Prohibitions:** ANHS1004, ANHS1005 **Assessment:** one 500 word exercise, participation, one 1500 word research exercise and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Sc, B Com, Dip Arts, UG Study Abroad Program.

From Spain to Turkey, from Britain to Africa, ancient Rome has left physical and cultural reminders of its role as ancient superpower. This unit of study will introduce you to the city of Rome itself, its turbulent history, its empire and its vibrant culture. It will provide a springboard for further studies in history, archaeology and literature. It is informed by a cross-disciplinary approach that combines a variety of perspectives to achieve a holistic view of the ancient world.

*Textbooks*

Kamm A. The Romans: An Introduction. London. Routledge 2003

**ANHS1602****Greek and Roman Myth  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Prof Eric Csapo **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prohibitions:** CLCV1001 **Assessment:** one 1500 word written assignment, and one 2 hour exam, assessable tasks (1000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program.

Stories about Greek and Roman gods, heroes, and monsters occupy an important place in Western culture. Greco-Roman mythology is the fount of inspiration for the masterpieces of art, music, and literature. This unit examines these enduring ancient narratives, symbols, and mythical ideas in their historical, cultural and religious context. Learn about the manifold meanings of myth, its transformations and transgressions, its uses and abuses from antiquity to the present day.

*Textbooks*

Powell B. Classical Myth. Prentice Hall 2008

**ANHS1801****Ancient History Exchange  
Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Arts.

**ANHS2601****Ancient Imperialism  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Welch **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Ancient History, Classical Studies, Ancient Greek or History OR 6 junior credit points of Ancient History and 6 junior credit points of either Latin, Greek (Ancient), Classical Studies, History, Philosophy, Archaeology (Classical) or Archaeology (Near Eastern) **Prohibitions:** ANHS2001 **Assessment:** one 2 hour exam, one 2000 word class paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

The empire of Rome made the Mediterranean World one. How did a single city win this controlling position? What were the experiences of Rome's predecessors (Sparta, Athens, Carthage) and why did a city-state of the same order make the breakthrough which they did not? Material factors (military, demographic and economic) are balanced against imperial concepts (glory, service, faith and majesty) and the question posed: Is this universal empire best seen as an achievement of conquest, an economic imperative or a world-community being formed? How applicable are our findings to other empires at other times or was Rome historically conditioned and unique?

**ANHS2605****Ancient Greek Religion  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Julia Kindt **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Ancient History, Classical Studies, Ancient Greek or History OR 6 junior credit points of Ancient History and 6 junior credit points of either Latin, Greek (Ancient), Classical Studies, History, Philosophy, Archaeology (Classical) or Archaeology (Near Eastern) **Assessment:** one 2000 word class paper, one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit explores Greek religion as a defining feature of what it meant to be Greek. We will investigate similarities and differences between religious beliefs and practices throughout the ancient Greek world and trace how religion changed over time. Topics addressed include sacrifice, religious festivals and games, the use (and abuse) of divination, and shared notions of purity and pollution.

**ANHS2611****Greek and Roman Magic  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Lindsay Watson **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Ancient History, History or Classical Studies OR 6 junior credit points of Ancient History or Classical Studies and 6 junior credit points of either Latin, Greek (Ancient), History or Archaeology **Prohibitions:** CLSS2602 **Assessment:** one 1000 word tutorial paper, one 1750 word essay, one 1750 word take-home exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program.

This unit will provide students with a grounding in the most important aspects of Greek and Roman magical practice. Students will acquire an understanding of the socio-cultural perceptions which informed the use of magic; gain a sense of whether certain types of magic were sex-specific; ask to what extent erotic magic can be seen as empowering; consider whether magic can be legitimately demarcated

from religion; come to understand the reasons for the hostility of Greek and Roman authorities to magical activities.

#### ANHS2612

##### Historiography Ancient and Modern

###### Arts

**Credit points:** 6 **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Ancient History or History or Asian Studies OR 6 junior credit points of Ancient History or History or Asian Studies and 6 junior credit points of either Classical Studies, Latin, Greek (Ancient), or Archaeology **Prohibitions:** ANHS2691, ANHS2692 **Assessment:** one 3000 word essay, one 1500 word exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program.

Greco-Roman historiography remains a central object of inquiry for students of the ancient world. This unit examines samples of Greco-Roman historiography in light of their original contexts and of modern approaches. Topics will include: Why did the ancients invent and how did they exploit literary representations of the past? What were their methods and their criteria for ascertaining historical truths? How was history implicated in Greco-Roman literature and in Greco-Roman culture? How can modern historiographical theories illuminate ancient practices?

#### ANHS2804

##### Ancient History Exchange

###### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

#### ANHS2805

##### Ancient History Exchange

###### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

#### ANHS2806

##### Ancient History Exchange

###### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

#### ANHS2810

##### Ancient History Exchange

###### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

#### ANHS2811

##### Ancient History Exchange

###### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

#### ANHS3610

##### Research Issues in Ancient Greek Studies

###### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 2 **Classes:** two 1 hour lectures per week **Prerequisites:** Credit average in 18 senior credit points of Ancient History, Classical Studies, History, Latin, Greek (Ancient), Archaeology including ANHS2691 or HSTY2691 **Assessment:** one 6000 word research essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This seminar provides an introduction to advanced research design and techniques in Greek history and culture, including library resources and technology. You will undertake a detailed study of a topic relevant to Greek studies selected by your teacher. Your research paper will treat an aspect of that topic chosen by you with advice from your teacher and your class.

#### ANHS3611

##### Research Issues in Roman Studies

###### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paul Roche **Session:** Semester 1, Summer Main **Classes:** two 1 hour lectures per week **Prerequisites:** Credit average in 18 senior credit points of Ancient History, Classical Studies, History, Latin, Greek (Ancient), Archaeology including ANHS2691 or HSTY2691 **Assessment:** one 6000 word research essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: In summer the unit will be taught as an intensive program in Rome. To register your interest, please contact Dr Paul Roche via email, paul.roche@usyd.edu.au*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

This seminar offers an introduction to advanced research design and techniques in Roman history and culture, including library resources and technology. You will undertake a detailed study of a topic relevant to Roman studies selected by your teacher. Your research paper will treat an aspect of that topic chosen by you with advice from your teacher and your class.

#### ANHS4011

##### Ancient History Honours A

###### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1, Semester 2 **Prerequisites:** Credit average in 48 Senior credit points of ANHS or HSTY **Assessment:** One 20000 word thesis (50%) and assessable tasks in the other two components (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Student Information Guide from the SOPHI Office.

#### ANHS4012

##### Ancient History Honours B

###### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1, Semester 2 **Prerequisites:** Refer to ANHS4011 **Corequisites:** ANHS4011 **Assessment:** Refer to ANHS4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Refer to ANHS4011

#### ANHS4013

##### Ancient History Honours C

###### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1, Semester 2 **Prerequisites:** Refer to ANHS4011 **Corequisites:** ANHS4012 **Assessment:** Refer to ANHS4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Refer to ANHS4011

### ANHS4014

#### Ancient History Honours D

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1, Semester 2 **Prerequisites:** Refer to ANHS4011 **Corequisites:** ANHS4013 **Assessment:** Refer to ANHS4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Refer to ANHS4011

### ANSC2004

#### Animal Conservation Biology

##### Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Jaime Gongora **Session:** Semester 2 **Classes:** variable consisting of up to 6hrs/week (students advised to consult weekly timetable) of lectures, tutorials and practical classes, lectures will involve guest speakers from specialist areas **Prohibitions:** VETS2015 **Assessment:** 80% of the total grade for this unit shall be gained from assessment within the VETS2015 unit of study (2 hour theory exam (70%), assignments/presentations (30%)), the final 20% for this unit of study shall be assessed by a second assignment/presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc.

This unit will also provide the student with a broad knowledge and general understanding of the taxonomy, ecology, biology and conservation status of Australia's unique vertebrate fauna, specified key aspects of the anatomy and physiology of Australia's native vertebrate fauna (ANF) and provide an understanding of the principles of the ecology, population dynamics, conservation status and management of macropods in Australia. The threatening processes past and present that continue to adversely affect Australia's fauna will be covered. Instruction into critically evaluating the arguments for and against the sustainable utilisation of wildlife, including the ethical and animal welfare aspects will be introduced to the student. Through examples and guest speakers the student will be shown the general principles of disease as they apply to wildlife health and gain a broad knowledge and understanding of the husbandry and handling requirements for captive breeding of ANF, as well as be made aware of and gain understanding in the principles, animal welfare aspects and ethics of wildlife rehabilitation and translocation. Further topics covered will allow the student to be aware of, understand and critically evaluate the basis for current approaches to wildlife emergency management (oil spills, bushfires, marine mammal strandings), have a working knowledge and understanding of the legislation and treaties that deal with wildlife conservation and management, have exposure to, and knowledge of, a specified range of field techniques for assessing wildlife populations and habitats. The unit provides an introduction to use of reproductive technology as a conservation tool and genetics in the management of endangered populations. It will also look at the economics of biodiversity preservation, including opportunity costs in conservation and preservation. Assignments will build on the knowledge gained in lectures and practical classes and allow students to investigate topics related to this unit that may be of special interest to them as individuals and a group.

##### Textbooks

Burgman, MA & Linderemayer, DB 1998, Conservation biology for the Australian environment, Surrey Beatty & Sons Pty Ltd  
Olsen, P 1998, Australia's pest animals: new solutions to old problems, Bureau of Resource Sciences  
White, S 1997, Caring for Australian wildlife, Australian Geographic Pty Ltd  
Reference books  
Strahan, R (ed.) 1983, The Australian Museum complete book of Australian mammals, Angus & Robertson  
Frankham R, Ballou JD, Briscoe DA. 2002, Introduction to Conservation Genetics, Cambridge University Press. New York

### ANSC3101

#### Animal Nutrition 3

### Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Alex Chaves **Session:** Semester 2 **Classes:** lectures 3 hrs/wk, tutorials 1 hr/wk, laboratories 2 hrs/wk **Prerequisites:** ANSC2002 or AVBS1002 **Assessment:** assignments, including web based problem solving exercises (35%), oral presentation (10%), quiz (10%), tutorial (5%), written exam (40%) **Practical field work:** 2 field trips (6 hours) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B L W Sc, B Sc (Molecular Biotechnology), B Sc Agr.

This Unit of Study builds upon principles discussed in ANSC2002 (Animal Science 2). The Unit is broadly divided into four sections, namely: estimating the nutritive value of feeds; estimating the nutrient requirements of animals; diet formulation; errors in feeding. The focus is on coming to an understanding of the assessment of nutritional adequacy and the avoidance and solving of nutritional problems, with a particular emphasis on animals used in agricultural production systems and wildlife. The principles discussed in this course will be expanded in the following year, in which species-specific systems will be described. The basis of successful feeding management is an understanding of the following: the composition of feeds; the digestibility and efficiency of utilisation of nutrients by the animal; the requirements of the animal for nutrients; interactions between nutrients that influence health and production. And following from this an ability to: formulate diets to meet animal requirements for a variety of purposes and under a variety of constraints; identify deficiencies, excesses and imbalances in diets and so avoid a decline in productive efficiency and/or a decline in health.

##### Textbooks

McDonald, Edwards, Greenhalgh & Morgan 2002, Animal Nutrition, 6th edn, Prentice Hall

### ANSC3102

#### Animal Reproduction

##### Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Chris Grupen **Session:** Semester 1 **Classes:** lectures 2 hrs/week, tutorials 1 hr/week, practicals 3 hrs/week **Prerequisites:** ANSC2002 or AVBS1002 **Assessment:** written and oral assignments 25%, written exam 15%, end of semester written exam 60% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B L W Sc, B Sc (Molecular Biotechnology), B Sc Agr.

This unit of study provides a comprehensive programme on basic and applied aspects of male and female reproductive biology, with particular emphasis on domestic animals. The fundamental topics include reproductive cycles, sexual differentiation, gametogenesis, fertilization, embryo development, gestation and parturition. The applied aspects include tuition on semen collection and processing, control and management of reproduction, artificial insemination, embryo transfer, pregnancy diagnosis, and induction of parturition. Classes are given at the Camperdown Campus in Sydney and at the Camden Campus Animal Reproduction Unit in Cobbitty.

##### Textbooks

Hafez, B & Hafez, ESE (eds) 2000, Reproduction in farm animals, Lippincott Williams and Wilkins  
Senger, PL 2003, Pathways to pregnancy and parturition, 2nd edn, Current Conceptions Inc

### ANSC3103

#### Animal Structure and Function A

##### Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Melanie Collier **Session:** Semester 1 **Classes:** lectures 3hrs/wk, laboratories/tutorials 3hrs/wk (note these will vary depending upon the week) **Prerequisites:** 12 credit points of junior biology **Assumed knowledge:** ANSC2002 or AVBS1002 **Assessment:** assignments/presentations (45%), theory exam (55%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B L W Sc, B Sc (Molecular Biotechnology), B Sc Agr.

Animal Structure and Function A will develop an understanding of the role of the body systems in maintaining homeostasis in an animal's internal environment. In ASFA the structure and function of the

cardiovascular, respiratory, central nervous and urinary systems of the body are explored in depth particularly with reference to the maintenance of homeostasis and an animal's perception of, and response to, its environment. The developed understanding of the normal functioning of these systems allows identification of the impact on the animal of abnormal function of these systems. A study of the structure and function of muscle will include its role in movement, as meat in a production setting and in a study of a horse's response to exercise and training. The overall goals of the Unit are (i) to enable students to develop a rich understanding of the relationships between body systems and structures (to be continued in ASFB), (ii) to develop generic skills particularly in oral presentation, (iii) to develop an appreciation of the links between structure, function and their relevance to animal production that will be further developed in advanced, applied studies in Behaviour in third year and in 4th year Animal Production.

#### Textbooks

The recommended textbook for the animal structure component of the unit is: Dyce, KM, Sack, WO & Wensing, CJG 2002, Textbook of veterinary anatomy, 3rd edn, W.B.Saunders, Philadelphia for the physiology component of this unit: Sherwood, L, Klandorf, H and Yancey, P H ( 2005) Animal Physiology. From Genes to Organisms. Thomson Brooks Cole A handbook containing details of lecture outlines, objectives, reference lists, details of practical classes, staffing as well as other relevant class material will be available for students to purchase

### ANSC3104

#### Animal Structure and Function B Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Melanie Collier **Session:** Semester 2 **Classes:** lectures 3 hrs/wk, laboratories/tutorials 3 hrs/wk, activities will vary on a weekly basis **Prerequisites:** ANSC3103 **Assumed knowledge:** ANSC2002 or AVBS1002 **Assessment:** anatomy dissection project 20%, topic test 20%, exam 60% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B L W Sc, B Sc (Molecular Biotechnology), B Sc Agr.

In this Unit students will complete the study of the structure and function of organ systems in animals started in ANSC3103. The role of hormones, the integument and the immune systems will be investigated in relation to maintenance of internal homeostasis. An introduction to digestion and male and female reproductive anatomy and physiology will form the basis for further applied studies in these areas in third year Units of Study in Animal Nutrition and Animal Reproduction. There will be development of the generic skills of critically reading and writing.

#### Textbooks

For Animal Structure:  
Dyce, KM, Sack, WO & Wensing, CJG 2002, Textbook of veterinary anatomy, 3rd edn, W.B.Saunders, Philadelphia  
OR  
Smallwood, JE 1973, An introductory study to bovine anatomy, The author, Bryan, Texas  
For Animal function:  
Sherwood, L, Klandorf, H and Yancey, PH 2005. Animal Physiology. From Genes to Organisms. Thomson Brook Cole

### ANSC3105

#### Animal Biotechnology Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Prof Chris Moran **Session:** Semester 2 **Classes:** lectures 3 hrs/wk, tutorials 1 hr/wk, seminars/workshops 0.25 hrs/wk, laboratories 0.5 hrs/wk **Prerequisites:** (ANSC2002 or AVBS1002) and GENE 2001 **Assessment:** seminar (20%), essay (20%), 2 hr exam (60%) **Practical field work:** excursions, self-directed learning, supervised reading, computer aided instruction 1.25 hrs/wk **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B L W Sc, B Sc (Molecular Biotechnology), B Sc Agr.

Lectures, tutorials, laboratories (PCR, DNA sequencing and bioinformatics), seminars and supervised reading and directed learning instruction will cover the application of biotechnology to animal productivity, disease control, the development of new products from animals and the impact of altered micro-organisms and plants on animals. A firm foundation in molecular biology and recombinant DNA

technology is provided, with an emphasis on relevance in animals. Regulation of gene expression in vivo and in expression systems, monitoring of gene expression including microarrays and proteomics, gene mapping, genomics and gene discovery are all discussed in contexts relevant to domestic animals. Genetic modifications of animals including transgenesis and gene knockout, and methods for achieving these modifications including cloning by nuclear transfer are detailed. Basic skills in bioinformatics are developed to access and utilise the vast information resources available. Legal methods of protecting intellectual property are described. Finally animal biotechnology is reviewed from an ethical perspective.

### ANSC3106

#### Animal Behaviour and Welfare Science 3 Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Greg Cronin **Session:** Semester 1 **Classes:** 6 hrs/wk (lectures, demonstrations, discussions and debates) **Prerequisites:** ANSC2002 or AVBS1002 **Prohibitions:** VETS3018 **Assessment:** assignments/presentations (50%), theory exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc.

Animal Behaviour and Welfare Science 3 builds on the understanding of animal form and operation that students have developed in prior Units. In Animal Behaviour and Welfare Science 3, the behavioural and physiological responses of animals to stressors related to husbandry, housing, transport, slaughter, training and performance are explored in some detail. This Unit enables students to develop a three-dimensional appreciation of the species differences in response to common management interventions that arise in the context of domestication. The principles of animal responses to distress are illustrated with production species as the main examples.

Contemporary approaches in the scientific assessment of animal stress and welfare, based on an appropriate selection of scientific disciplines including ethology, physiology and neuroscience are assessed with an emphasis on livestock species. Genetic, environmental and evolutionary determinants of pain, stress and fear responses in animals are considered in the light of what is known about cognition and motivation in animals. Methods for assessing and enhancing animal environments and husbandry systems are examined and the impact on animal welfare of stockmanship and human personality is explored in the context of human-animal interactions. Finally, the design and conduct of scientific experiments is assessed with a focus on welfare issues.

Animal Behaviour and Welfare Science 3 includes a compulsory library based assignment that provides students with an opportunity to select one species on which they report a summary of scientific advances that may contribute to animal welfare.

The other assessment task involves completion of core elements of an animal ethics approval application form that requires students to interpret an experimental design, giving a lay summary, an explanation of the impact on the animals' welfare and an explanation of how animal welfare will be ensured using the principle of the three R's (reduction, refinement, replacement).

#### Textbooks

The recommended textbook for the animal structure component of the unit is: Broom, DM & Fraser, AF 2007, Domestic animal behaviour and welfare, 4th edition, CAB International, Cambridge Uni Press, Cambridge  
Other core texts are:

Grandin, T (ed.) 2000, Livestock handling and transport, 2nd edn, CABI Publishing, Wallingford, UK  
Gregory, NG 1998, Meat science and animal welfare, CABI Publishing, Wallingford, UK  
Hemsworth, PH & Coleman, GJ 1998, Human-livestock interactions: the stockperson and the productivity and welfare of intensively farmed animals, CAB International, Wallingford, UK  
Monamy, V 1996, Animal experimentation: a student guide to balancing the issues, Australian and New Zealand Council for the Care of Animals in Research and Teaching, Glen Osmond, Australia  
Gregory, NG The physiology and behaviour of animal suffering, UFAW, Blackwell Scientific, Oxon

A course handbook containing details of lecture outlines, objectives, reference lists, details of practical classes, staffing as well as other relevant class material will be available for students to purchase

**ANSC3107****Animal Genetics 3  
Veterinary Science**

**Credit points:** 6 **Teacher/Coordinator:** Prof Chris Moran **Session:** Semester 2 **Classes:** lectures 3 hrs/wk, practicals 3 hrs/wk **Prerequisites:** GENE2001 or MBLG2072 or MBLG2972 **Assessment:** 30min test on practicals (25%), 1500wd essay (25%), 1.5 hr exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc.

The unit of Study explores in detail genetic aspects of commercial animal populations and investigates options for the practical application of genetics to improve animal productivity. It is designed to provide the background material, fundamental concepts and data analysis methods for breeding strategies in each of the animal industries. The unit of study develops basic principles of population and quantitative genetics from Agricultural Genetics 2 and provides a valuable complement to the molecular principles expanded in Animal Biotechnology 3. Animal Genetics provides the context and justifies the application for advanced reproductive technologies presented in Animal Reproduction 3.

At the end of this Unit of Study, students will demonstrate an understanding of: the principles of population genetics and the concepts of relationship and inbreeding, and adverse effects of this inbreeding; the principles of quantitative genetics including the concepts of genetic variance, heritability and repeatability, and methods for the identification and selection of superior livestock; the use of multitrait selection procedures to increase the overall economic value of populations of animals; the constraints to production gains using genetic selection programmes and advantages obtained through crossbreeding; the practical application of selection and crossing in animals; the genetical implications of reproductive technology such as embryo sexing, splitting and cloning, artificial insemination and MOET.

*Textbooks*

Falconer, DS and Mackay, TFC 1995, An introduction to quantitative genetics, 4th edn, Longman Cheshire, London  
OR  
Simm, G 1998, Genetic Improvement of Cattle and Sheep, Farming Press, Miller Freeman, Tonbridge, UK

**ANTH1001****Cultural Difference: An Introduction  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Gaynor Macdonald and Dr Linda Connor **Session:** Semester 1, Summer Late **Classes:** two 1 hour lectures and one 1 hour tutorial per week, occasional hour-long optional film-screenings and workshops **Prohibitions:** ANTH1003 **Assessment:** 2500 words of written work (50%) and one 2 hour exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Ec (Soc Sc), B Int S, B Sc, B Com, Dip Soc Sc, UG Study Abroad Program, UG Summer/Winter School.

Anthropology explores and explains cultural difference while affirming the unity of humankind. It provides accounts of cultural specificity that illuminate the world today. Lectures will address some examples of cultural difference from the present and the past. These examples will introduce modern Anthropology, the method of ethnography, and its related forms of social and cultural analysis.

*Textbooks*

readings will be available at the University Copy Centre

**ANTH1002****Anthropology and the Global  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Neil Maclean and Dr Holly High **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prohibitions:** ANTH1004 **Assessment:** 2500 words of written work (50%) and one 2 hour exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Ec (Soc Sc), B Int S, B Sc, B Com, Dip Soc Sc, UG Study Abroad Program.

Anthropology's ethnographic method, long term embedded-ness within a specific culture, allows for a particularly intimate understanding of

people's experiences of the social worlds they inhabit. This course shows the importance of this experiential intimacy for understanding some of the key issues associated with globalisation: the culturally diverse adaptations of global capitalism, the transnational communities emanating from global population movements, the transformations of colonial and post-colonial cultures, the rise of global movements and the corresponding transformation of Western nationalism.

*Textbooks*

readings will be available at the University Copy Centre

**ANTH1801****Social Anthropology Exchange  
Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Soc Sc.

**ANTH1802****Social Anthropology Exchange  
Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Soc Sc.

**ANTH2601****The Ethnography of Southeast Asia  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Holly High **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points of Anthropology **Assessment:** 2500 words of written work (60%) and 2 hour exam (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Int S, Dip Soc Sc, UG Study Abroad Program.

Southeast Asia comprises a broad spectrum of social and ecological landscapes, from primate cities to primary forests. This unit of study examines how humans have made meaningful lives in these contexts in terms of productive activities, social units, political formations and cultural representations. This unit also examines the various approaches anthropologists have used for the task of conceptualising of and writing about these.

*Textbooks*

Readings available from the University Copy Centre.

**ANTH2621****Initiation Rituals  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Jadran Mimica **Session:** Semester 2, Summer Late **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points of Anthropology **Prohibitions:** ANTH2021 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Int S, Dip Soc Sc, UG Study Abroad Program, UG Summer/Winter School.

This unit examines and elucidates a wide range of phenomena commonly known as "initiation rituals". Through a wealth of ethnographies the course surveys male and female forms of these practices and appraises their various interpretations by anthropologists, psychoanalysts and scholars of comparative religion. A special focus is on the psycho-dynamics and meanings of self-transformations which these radical practices effect upon the practitioners themselves. The unit also articulates a general theory of ritual action grounded in phenomenology and psychoanalysis.

*Textbooks*

reading lists will be available at the beginning of lectures

## ANTH2625

### Culture and Development Arts

**Credit points:** 6 **Teacher/Coordinator:** TBA **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points of Anthropology **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B Ec (Soc Sc), B Int S, Dip Soc Sc, UG Study Abroad Program.

Development is the tension between new forms of wealth, human wants and structures of inequality generated by capital, the attempts through state and international political and legal systems to control that process and the specificity of the local social systems they seek to 'develop'. This unit compares the variety of local forms of this process in colonial, post-colonial, third- and fourth world settings. Key themes include: resource politics, religion, the politics of the family, ethnicity, corruption and contemporary violence.

## ANTH2626

### The City: Global Flows and Local Forms Arts

**Credit points:** 6 **Teacher/Coordinator:** Erin Taylor **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points of Anthropology **Prohibitions:** ANTH2026 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Int S, Dip Soc Sc, UG Study Abroad Program.

Modern cities are produced in two ways: (a) as types of city responsive to their larger social and cultural environment - the metropolis, the trading or rural centre and the city of sprawling shanty towns; (b) as types of ordered urban space that allocate different identities to a city's inhabitants. This unit focuses on ethnographic and historical studies of urbanism around the world. Lectures will also discuss the method of ethnography and its many uses for research in urban environments.

## ANTH2627

### Medical Anthropology Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Holly High **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial **Prerequisites:** 12 Junior credit points of Anthropology **Prohibitions:** ANTH2027 **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B Ec (Soc Sc), B Int S, Dip Soc Sc, UG Study Abroad Program.

Medical anthropology is a comparative and ethnographic response to the global influence of biomedicine within diverse cultural worlds. This unit will examine major theoretical approaches, their respective critiques, and the methods that underpin them. Concepts such as 'health/illness', 'disease', 'well-being', 'life-death', and 'body/mind' will be located in a variety of cultural contexts and their implications for different approaches to diagnosis and treatment considered. The unit will include culturally located case studies of major contemporary health concerns such as AIDS.

## ANTH2629

### Race and Ethnic Relations Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Sebastian Job **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points of Anthropology **Prohibitions:** ANTH2117 **Assessment:** one 2500 word essay and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B Ec (Soc Sc), B Int S, UG Study Abroad Program.

A comparative study of race and ethnic group relations. The unit will consider the history of ideas of 'race' and practices of racialising and their relationship to ethnicity. It will draw on studies from various areas including North America, the Caribbean, Japan and Australia.

*Textbooks*

Reading lists will be available at the beginning of lectures

## ANTH2630

### Indigenous Australians and Modernity Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Gaynor Macdonald **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points of Anthropology **Assessment:** one 1500 word essay, one 2500 word essay and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Int S, Dip Soc Sc, UG Study Abroad Program.

Australian Aboriginal peoples have always engaged with the 'modern world' but Enlightenment ideas established a colonial context juxtaposing modernity with tradition. Indigenous difference was locked into past-oriented, static and small scale traditions. The unit examines some key concepts of modernity, including progress, civility, change, tradition - and modernity itself - so as to shed light on Australian Indigenous people's experiences, past and present, as colonial subjects. The unit will explore Aboriginal engagement with, for instance, work, vehicles, the law, and the arts (painting, music etc) as practices through which Aboriginal people have sought 'alternative modernities'.

## ANTH2655

### The Social Production of Space Arts

**Credit points:** 6 **Teacher/Coordinator:** TBA **Session:** Semester 1 **Classes:** One 2 hour seminar per week **Prerequisites:** 12 junior credit points in Anthropolgy. **Prohibitions:** ANTH3911 **Assessment:** 2,500 words of written work (60%) and 2 hours of examinations (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B Ec (Soc Sc), B Int S.

Space/place appears in anthropology as both a product of historically specific social practice and as an irreducible dimension of any social formation. This theoretical tension will be explored through examination of such themes as: the contradiction between the global as abstract space and the local as qualitatively distinct place; struggles over the definition and control of space; space/time as an aspect of any world; centre/periphery and inside/outside as pervasive tropes of social analysis.

*Textbooks*

Reading lists will be available at the beginning of lectures.

## ANTH2664

### Cosmology and Power in South Asia Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Sheleyah Courtney **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial **Prerequisites:** ANTH1001 or ASNS1001 or ASNS1002 **Assessment:** one 2500 word essay and one 2 hour examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B Int S, UG Study Abroad Program.

This unit explores South Asian cultures through ethnographies of village and urban life. The unit also observes the ways in which religious ideologies of the subaltern classes both complement and contradict those of the Brahmin elite via an examination of Goddess and Bhakti traditions and other religious phenomena such as radical asceticism. To this end the unit examines dimensions of caste, gender, nationalism and communal and family relations. Students engage with contemporary debates concerning approaches to the analysis of South Asian culture.

*Textbooks*

readings will be available at the University Copy Centre

## ANTH2665

### South Asian Popular Culture Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Sheleyah Courtney **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** ANTH1001 or ASNS1001 or ASNS1002 **Assessment:** one

2500 word essay and one 2 hour examination **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B Int S, UG Study Abroad Program.

This unit explores South Asian popular culture and its transnational appeal. Bollywood cinema exemplifies this phenomenon, homogenizing South Asia's vast linguistic, cultural, regional and class divides, creating a supra-national identity. Yet it remains unique and culturally continuous, possessing diverse influences from folk theatre: the Bengali Yatra, the Maharashtran Tamasha, Ram-Lila from Uttar Pradesh, the Rajesthani Nautanki, and the Ramayana and Mahabharata epics. Students explore portrayal of divinity and devotion in film and its effects on South Asia's religious, political and sexual culture.

*Textbooks*

readings will be available at the University Copy Centre

## ANTH2804

### Social Anthropology Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Soc Sc.

## ANTH2805

### Social Anthropology Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Soc Sc.

## ANTH2806

### Social Anthropology Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Soc Sc.

## ANTH2810

### Social Anthropology Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Soc Sc.

## ANTH2811

### Social Anthropology Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Soc Sc.

## ANTH3601

### Contemporary Theory and Anthropology Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Jadran Mimica **Session:** Semester 1 **Classes:** one 2 hour seminar per week **Prerequisites:** 12 credit points of Senior Anthropology at Credit level or above **Prohibitions:** ANTH3921, ANTH3922 **Assessment:** 6000 words of written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Int S, Dip Soc Sc, UG Study Abroad Program.

This honours preparation unit will assist students to define their objectives in anthropology and anticipate their honours year through: 1) exploring key concepts of anthropological analysis and critique, 2) increasing their knowledge of the ethnographic method and its contemporary challenges, 3) developing library research skills and experience in formulating a research project.

## ANTH3602

### Reading Ethnography Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Linda Connor **Session:** Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** 12 Credit Points of Senior Anthropology completed at Credit level or above **Prohibitions:** ANTH3611, ANTH3612, ANTH3613, ANTH3614 **Assessment:** one 1500 word essay, one 2500 word essay and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Soc Sc.

Ethnography is grounded on the 'participant observation' of social practice and the interpretation of values and experience in particular social contexts. It makes the strange familiar, and the familiar strange. This unit will focus on the relationship between research methods and design and the development of regionally and thematically specific debates in anthropology.

## ANTH4011

### Social Anthropology Honours A Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Gaynor Macdonald **Session:** Semester 1, Semester 2 **Classes:** consult department **Prerequisites:** Students must have a Credit average in Senior level Anthropology units totalling at least 48 credit points. Units must include ANTH3601 and at least one of the following: ANTH3611, ANTH3613 or ANTH3614. **Assessment:** all of the major components of the Honours year will be assessed **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), B Int S (Hons), Dip Soc Sc (Hons).

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable).

## ANTH4012

### Social Anthropology Honours B Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Gaynor Macdonald **Session:** Semester 1, Semester 2 **Classes:** consult department **Corequisites:** ANTH4011 **Assessment:** all of the major components of the Honours year will be assessed **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), B Int S (Hons), Dip Soc Sc (Hons).

Please refer to ANTH4011

## ANTH4013

### Social Anthropology Honours C Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Gaynor Macdonald **Session:** Semester 1, Semester 2 **Classes:** consult department **Corequisites:** ANTH4012 **Assessment:** all of the major components of the Honours year will be assessed **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), B Int S (Hons), Dip Soc Sc (Hons).

Please refer to ANTH4011

## ANTH4014

### Social Anthropology Honours D

## Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Gaynor Macdonald **Session:** Semester 1, Semester 2 **Classes:** consult department **Corequisites:** ANTH4013 **Assessment:** all of the major components of the Honours year will be assessed **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), B Int S (Hons), Dip Soc Sc (Hons).

Please refer to ANTH4011

## ARBC1611

### Arabic Introductory 1B

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1 **Classes:** 4 face-to-face classes per week and 1 hour autonomous learning in language lab **Prohibitions:** ARBC1311, ARBC1312, ARBC1101, ARBC1102 **Assessment:** 2.5-hour exam (equivalent to 2000 words), regular assignments and class assessment (equivalent to 2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims to teach Arabic as a living language. It is meant for students with no previous learning experience of the language. The unit is designed to introduce and build up basic language skills: listening and speaking, reading and writing, using modern standard and educated every-day Arabic. Students will learn basic vocabulary, language structures, morphology and syntax of Arabic in context, through lively dialogues, realistic conversational situations, story lines, exercises and drills, rather than formal grammar. On completion of this unit, students progress to ARBC1612 in second semester.

#### Textbooks

Nijmeh Hajjar, Living Arabic in Context: An Introductory Course, Beirut, 2005

## ARBC1612

### Arabic Introductory 2B

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 2 **Classes:** 4 face-to-face classes per week and 1 hour autonomous learning in language lab **Prerequisites:** ARBC1101 or ARBC1611 or equivalent **Prohibitions:** ARBC1311, ARBC1312, ARBC1102 **Assessment:** 2.5-hour exam (equivalent to 2000 words), regular assignments and class assessment (equivalent to 2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims to strengthen students' listening, speaking, reading and writing skills in living Arabic. Emphasis will be on building up communicative ability as well as extending the vocabulary and language structures through realistic dialogues and story lines in modern standard and educated every-day Arabic. Morphology and syntax of Arabic are gradually introduced in context through a structured method of progression, using realistic patterns, exercises and drills, rather than formal grammar. On completion of this unit, students progress to ARBC2613.

#### Textbooks

Nijmeh Hajjar, Living Arabic in Context: Arabic for Beginners, Stage 2, Sydney, 2004. (For textbook and audio CDs consult the department.)

## ARBC2613

### Arabic Language and Literature 3B

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1 **Classes:** 4 hours per week for 9 weeks and 3 hours per week for 1 week **Prerequisites:** ARBC1102 or ARBC1612 or equivalent **Prohibitions:** ARBC1311, ARBC1312, ARBC2633, ARBC2634, ARBC2103 **Assessment:** Regular assignments (equivalent to 2000 words, 50%), 2.5-hour end of semester exam (equivalent to 2500 words, 50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims to extend students' language skills in Arabic and enable them to appreciate Arabic literary texts. Students will be able to build up their communicative ability and extend their knowledge of modern Arabic vocabulary and structures, through realistic dialogues and class activity, including role-playing. They will be introduced to modern

Arabic literature through reading and discussing selected texts by prominent authors, in their societal context. On completion of this unit, students progress to ARBC2614.

#### Textbooks

Language material and a selection of literary texts will be available. (Consult the department.)

## ARBC2614

### Arabic Language and Literature 4B

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 2 **Classes:** 4 hours per week for 9 weeks and 3 hours per week for 1 week **Prerequisites:** ARBC2103 or ARBC2613 or equivalent **Prohibitions:** ARBC2104, ARBC1311, ARBC1312, ARBC2313, ARBC2314, ARBC2633, ARBC2634, ARBC3635, ARBC3636, ARBC3637, ARBC3638 **Assessment:** Regular assignments (equivalent to 2000 words, 50%), 2.5-hour end of semester exam (equivalent to 2500 words, 50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims at further strengthening students' communicative skills in Arabic, both aural/oral and written, as well as building up their ability to read, appreciate and discuss samples of Arabic literature by prominent authors in their societal context. Students will be able to extend their knowledge of Arabic vocabulary and structures through realistic dialogues, role-playing and the use of a range of recorded material in Arabic. On completion of this unit, students progress to ARBC3615.

#### Textbooks

Language material and a selection of literary texts will be available. (Consult the department.)

## ARBC2633

### Arabic Advanced Language & Literature 3A

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** HSC Arabic Extension or Arabic Continuers or 70% or above in Arabic Beginners (subject to placement test) or equivalent **Prohibitions:** ARBC1311 **Assessment:** Regular assignments (equivalent to 2500 words), essay/exam (equivalent to 2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims to strengthen practical language skills, including writing and translation, to enrich the student's understanding of Arabic literature and culture, develop their analytical and critical skills through reading of a variety of Arabic texts by writers from different Arab countries, focusing on themes of modernity and identity as reflected in modern Arabic essays on political, social and cultural issues and in contemporary Arabic literature in general.

#### Textbooks

A dossier of texts will be provided.

## ARBC2634

### Arabic Advanced Language & Literature 4A

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** ARBC1311 or ARBC2633 **Prohibitions:** ARBC1312, ARBC1101, ARBC1102, ARBC1611, ARBC1612 **Assessment:** Regular assignments (equivalent to 2500 words), essay/exam (equivalent to 2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims to strengthen practical language skills in Arabic, building on the approach followed in semester 1, including writing and translation skills to enrich students' understanding of Arabic literature and culture, and to develop their analytical and critical skills through reading of modern Arabic writers from various Arab countries.

#### Textbooks

A dossier of texts will be provided.



**ARBC2811****Arabic Exchange  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

**ARBC2812****Arabic Exchange  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

**ARBC2813****Arabic Exchange  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

**ARBC2814****Arabic Exchange  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

**ARBC3615****Arabic Language and Literature 5B  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1 **Classes:** 4 hours per week for 9 weeks and 3 hours per week for 1 week **Prerequisites:** ARBC2104 or ARBC2614 or equivalent **Prohibitions:** ARBC2105, ARBC1311, ARBC1312, ARBC2313, ARBC2314, ARBC2315, ARBC2316, ARBC2633, ARBC2634, ARBC3635, ARBC3636, ARBC3637, ARBC3638 **Assessment:** Regular assignments (equivalent to 2000 words, 50%), 2.5-hour end of semester exam (equivalent to 2500 words, 50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims to consolidate students' communicative skills, using realistic dialogues in modern standard and educated every-day Arabic, and samples of the Arabic press and electronic media. It equally aims to extend students' knowledge and appreciation of Arabic literature and culture through reading and discussion of representative texts by major Arabic authors in their societal context, with examples from different genres. On completion of this unit, students progress to ARBC3616.

**Textbooks**

Language material and a selection of literary texts will be available. (Consult the department.)

**ARBC3616****Arabic Language and Literature 6B  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 2 **Classes:** 4 hours per week for 9 weeks and 3 hours per week for 1 week **Prerequisites:** ARBC2105 or ARBC3615 or equivalent **Prohibitions:** ARBC2106, ARBC1311, ARBC1312, ARBC2313, ARBC2314, ARBC2315, ARBC2316, ARBC2633, ARBC2634, ARBC3635, ARBC3636, ARBC3637,

**ARBC3638** **Assessment:** Regular assignments (equivalent to 2000 words, 50%), 2.5-hour end of semester exam (equivalent to 2500 words, 50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims to consolidate the students' competence in Arabic through dialogues in modern standard and educated every-day Arabic, reading and listening to material from the contemporary Arabic media, as well as writing and translation tasks relevant to real life situations. This unit equally aims to extend the students' knowledge and appreciation of Arabic literature and culture through reading and discussion of further representative texts by major Arabic authors in their societal context, with examples from different genres.

**Textbooks**

Language material, a selection of literary texts will be available. (Consult the department.)

**ARBC3635****Arabic Advanced Translation & Writing 5A  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** ARBC1312 or ARBC2633 or equivalent **Prohibitions:** ARBC2313, ARBC1101, ARBC1102, ARBC1611, ARBC1612 **Assessment:** Regular assignments (equivalent to 2000 words), 2000 word essay, exam (equivalent to 2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims to develop written fluency in Arabic and English through translation methodology and skills. The course is designed to further develop students' advanced writing, reading and interpreting skills. Practical tasks will include translation from Arabic into English and vice versa, using a wide range of texts, including creative literature, the press, business and diplomatic correspondence and basic scientific, technical and literary documents.

**Textbooks**

Consult the department.

**ARBC3636****Arabic Advanced for Media Studies 6A  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** ARBC1311 or ARBC2633 or equivalent **Prohibitions:** ARBC1101, ARBC1102, ARBC1611, ARBC1612, ARBC2314 **Assessment:** Regular assignments (equivalent to 2000 words), 2000 word essay, exam (equivalent to 2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims to strengthen advanced practical language skills in Arabic, including writing and communication, with focus on living Arabic for media studies to enrich the students' understanding of Arabic media and culture and to develop their practical and critical skills through dealing with a range of Arabic media.

**Textbooks**

Consult the department.

**ARBC3637****Arabic Advanced Translation & Writing 7A  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** ARBC1312 or ARBC2634 **Prohibitions:** ARBC2315, ARBC1101, ARBC1102, ARBC1611, ARBC1612 **Assessment:** Regular assignments (equivalent to 2000 words), 2000 word essay, exam (equivalent to 2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims to further develop written fluency in Arabic and English through translation methodology and skills. The unit is designed to further strengthen students' advanced writing, reading, translation and interpreting ability. Practical tasks will include translation from Arabic

into English and vice versa, using realistic contexts and a wide range of texts, including creative literature, the press, business and diplomatic correspondence and basic scientific, technical and literary documents.

*Textbooks*

Consult the department.

### ARBC3638

#### Arabic Advanced for Media Studies 8A

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** ARBC1311 or ARBC2633 **Prohibitions:** ARBC2316, ARBC1101, ARBC1102, ARBC1611, ARBC1612 **Assessment:** Regular assignments (equivalent to 2000 words), 2000 word essay, exam (equivalent to 2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This unit aims to strengthen advanced practical language skills in Arabic, including writing, translation and communication, with focus on living Arabic for media studies to enrich the students' understanding of Arabic media and culture and to develop their practical and critical skills through dealing with a range of material related to the Arabic media, both written and electronic.

*Textbooks*

Consult the department.

### ARCA1001

#### Ancient Civilisations

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Mitch Hendrickson **Session:** Semester 1, Summer Late **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** one 500 word assignment, one 1500 word essay, one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

Human history has been punctuated by the rise and decline of numerous major civilisations all across the globe. The aim of this unit is to introduce students to some of the most impressive discoveries made by archaeologists during the past 150 years, and to the remarkable achievements of the great civilisations of the past, including the Inca, Aztec and Maya in the New World, and the Sumerians, Egyptians, Greeks, Romans, Harappans (India/Pakistan) and Shang Chinese in the Old World. This unit will provide a comprehensive overview of humanity's greatest architectural, technological and artistic achievements in the distant past.

### ARCA1002

#### Archaeology: An Introduction

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Martin Gibbs **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prohibitions:** ARPH1001 **Assessment:** one 2000 word essay, one 1000 word test and six tutorial exercises **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B E, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program.

Archaeology is a dynamic world-wide discipline which draws on both the sciences and humanities to interpret material remains of the human past. This unit introduces key aspects of archaeological method and theory and explores links between archaeological practice and heritage issues of wide public interest based on archaeological case studies. It provides an essential introduction for senior units of study in Archaeology and will also interest anyone with a more general interest in this fascinating and topical field of study.

### ARCA2601

#### Laboratory Methods

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Melissa Carter **Session:** Semester 1 **Classes:** one 3 hour workshop per week **Prerequisites:** 12 junior credit points of Archaeology **Prohibitions:** ARPH2614 **Assessment:** one 3000 word

laboratory report, one 1500 word class test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

An introduction to post-fieldwork archaeological laboratory principles and practices. The unit introduces students to key principles for the effective management and processing of archaeological finds and other materials excavated from archaeological sites, recording and interpretation of data recorded from this material and the application of various methods of analysis which can be used to produce different types of archaeological knowledge and interpretation.

### ARCA2606

#### Maps, Time and Visualisation

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Ian Johnson **Session:** Semester 2 **Classes:** one 1 hour lecture and one 2 hour workshop per week **Prerequisites:** 12 junior credit points **Prohibitions:** ARPH3690 **Assessment:** one 2000 word critical evaluation and report including annotated bibliography, one 2000 word mapping project including production of online interactive map, contribution to online discussion **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit examines ways in which maps, timelines and other forms of data visualisation are constructed and used to present archaeological data and historical argument, and how digital methods and web delivery have facilitated the use of visualisation and enabled greater user engagement through interaction with online databases, encyclopaedias, collaborative systems, maps, timelines, animations and 3D models. Practical sessions offer students the opportunity to become familiar with simple techniques and software tools for creating and publishing visualisations on the Web.

### ARCA2608

#### Near Eastern Ancient Civilisations

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Alison Betts **Session:** Semester 1 **Classes:** two 1 hour lectures per week **Prerequisites:** 12 junior credit points of Archaeology or 6 junior credit points of Archaeology plus 6 junior credit points of Ancient History or Classical Studies **Prohibitions:** ARNE1001 **Assessment:** one 1000 word research paper, one 2500 word essay, one 2500 word take-home exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit of study provides an introduction to the wide sweep of cultures that have shaped western and central Asia. Using archaeological evidence, students will learn about the development of agriculture, the first cities, the earliest forms of writing, and how civilisations developed in rich and varied ways across the ancient world. Material is based within a broad chronological framework, beginning with the growth of the first farming villages and going on to explore the rise of kingdoms and empires.

### ARCA2610

#### Minoans and Mycenaens

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Margaret Miller **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Archaeology or 6 junior credit points of Archaeology plus 6 junior credit points of Ancient History or Classical Studies **Assessment:** one 2000 word essay, tutorial exercises and one 1.5 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Archaeological research since the 19th century discovery and excavation of Knossos and Mycenae continues to expand our understanding about the rich prehistoric cultures of Greece but dimly remembered in later times. Recent shift of attention from palace centres to the economic, social and religious life of the ordinary person is aided by such discoveries as the Cycladic town at Akrotiri. The three

main cultures of Bronze Age Greece (ca. 3000-1100 BC) are explored with focus on their characteristic features.

### ARCA2612

#### A Greek Odyssey: The First Millennium BC

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Lesley Beaumont **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Archaeology or 6 junior credit points of Archaeology plus 6 junior credit points of Ancient History or Classical Studies **Assessment:** one 2000 word essay, one 1.5 hour exam, tutorial/workshop based exercises **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Between 1050 and 146 BC the Aegean world underwent radical transformation. The changes which took place not only affected all aspects of ancient Greek society, but also established the foundations on which modern western civilization would later build. This unit traces the history and development of the Greek world as evidenced by the surviving material culture of the first millennium BC. The unit also examines the resonances of the ancient Aegean still evident in contemporary Australia.

### ARCA2614

#### Contact and Exchange in South Italy

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Ted Robinson **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Archaeology or 6 junior credit points of Archaeology plus 6 junior credit points of Ancient History or Classical Studies **Assessment:** one 2000 word essay, tutorial exercises and one 1.5 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Ancient South Italy existed at a vital crossroads between the Eastern and Western Mediterranean. From the arrival of the earliest settled farmers in the 7th millennium BC to its conquest by the Romans, the region experienced repeated waves of migrants, visitors, colonists and conquerors, and developed a distinctive and vibrant culture as a result. The Unit will begin its survey in the Neolithic period, but concentrate especially on the Greek/Italian colonial interactions of the first millennium BC.

### ARCA2801

#### Archaeology Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### ARCA2802

#### Archaeology Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### ARCA2803

#### Archaeology Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### ARCA2804

#### Archaeology Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### ARCA2805

#### Archaeology Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### ARCA2806

#### Archaeology Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### ARCA2807

#### Archaeology Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### ARCA2808

#### Archaeology Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### ARCA3600

#### Archaeological Research Principles

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Lesley Beaumont **Session:** Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** Credit average in 24 senior credit points of Archaeology **Prohibitions:** ARPH3692 **Assessment:** one 5000 word essay, one 500 word seminar paper, one 500 word written class exercise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

This unit of study is designed to prepare students to conduct archaeological research at Honours level and to assist with the preparation of long essays and theses. An introduction to key elements of archaeological theory, research design and the archaeological research process with particular focus on the role of literature review and the preparation, organisation and presentation of archaeological research.

### ARCA3602

#### Greece and the East

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Margaret Miller **Session:** Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** Credit result in one of the following units: ARCA2610, ARCA2611, ARCA2612, ARCA2613,

ARCA2614, ARCA2615, ARCL2601, ARCL2602, ARCL2603, ARCL2604, ARCL2605 **Assessment:** one 3500 word essay, seminar presentations and one exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Greek interaction with the older civilisations to the East (Anatolia, Near and Middle East, and Egypt) created a vital cultural dynamic throughout antiquity, not just in the seventh-century BC "orientalising" period. Areas of focus include the impact of relations with the East on the development of Greek material culture in specific periods, with reference to the areas of conceptual difficulty: the definition of cultural receptivity, the articulation of the "sources", the means of communication and types of reception.

### ARCH4003

#### Dissertation and Research Methods A Architecture, Design and Planning

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Completion of the Pass degree with a WAM of at least 70. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Bachelor of Design in Architecture honours students only.*

**Associated degrees:** B Des Arch (Hons).

Students must submit an Honours application form. Entry into Honours in the Bachelor of Design in Architecture requires you to have completed your pass degree with a Weighted Average Mark of at least 70.

The honours degree requires full time study over two semesters (ARCH4003 and ARCH4004 and then ARCH4005 and ARCH4006). In special cases the Dean may approve a part time enrolment over four semesters. The units are not assessed separately. A single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student.

The dissertation should be submitted by the end of the first week of the formal examination period in the semester in which ARCH4006 Dissertation and Research Methods D is taken.

### ARCH4004

#### Dissertation and Research Methods B Architecture, Design and Planning

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ARCH4003 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Des Arch (Hons).

Students must submit an Honours application form. Entry into Honours in the Bachelor of Design in Architecture requires you to have completed your pass degree with a Weighted Average Mark of at least 70.

The honours degree requires full time study over two semesters (ARCH4003 and ARCH4004 and then ARCH4005 and ARCH4006). In special cases the Dean may approve a part time enrolment over four semesters. The units are not assessed separately. A single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student.

The dissertation should be submitted by the end of the first week of the formal examination period in the semester in which ARCH4006 Dissertation and Research Methods D is taken.

### ARCH4005

#### Dissertation and Research Methods C Architecture, Design and Planning

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ARCH4004 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Des Arch (Hons).

Students must submit an Honours application form. Entry into Honours in the Bachelor of Design in Architecture requires you to have

completed your pass degree with a Weighted Average Mark of at least 70.

The honours degree requires full time study over two semesters (ARCH4003 and ARCH4004 and then ARCH4005 and ARCH4006). In special cases the Dean may approve a part time enrolment over four semesters. The units are not assessed separately. A single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student.

The dissertation should be submitted by the end of the first week of the formal examination period in the semester in which ARCH4006 Dissertation and Research Methods D is taken.

### ARCH4006

#### Dissertation and Research Methods D Architecture, Design and Planning

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ARCH4005 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Des Arch (Hons).

Students must submit an Honours application form. Entry into Honours in the Bachelor of Design in Architecture requires you to have completed your pass degree with a Weighted Average Mark of at least 70.

The honours degree requires full time study over two semesters (ARCH4003 and ARCH4004 and then ARCH4005 and ARCH4006). In special cases the Dean may approve a part time enrolment over four semesters. The units are not assessed separately. A single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student.

The dissertation should be submitted by the end of the first week of the formal examination period in the semester in which ARCH4006 Dissertation and Research Methods D is taken.

### ARCH5101

#### Architectural Design Studio C Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 6 hours per week for 8 weeks **Prerequisites:** ARCH4201 **Prohibitions:** ARCH3104 **Assessment:** Attendance; tutorial participation, including staged exercises; and submission and presentation of developed design. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment. Note: This unit available to BArch only and not available beyond 2009. Classes will run with MARC4001, 4002 or 4003.*

**Associated degrees:** B Arch.

Architectural projects offered by Faculty staff and visiting design practitioners will introduce students to a range of design issues and ideas, drawing on contemporary theory and practice. At the conclusion students will have worked closely with a tutor on a unique project, absorbing the key issues informing the project and demonstrating an ability to translate these issues into a design project.

Students will gain an understanding of a specific design outlook and process, as developed through weekly exercises and design development drawings and models. Also, the ability to translate this process into a developed design, presented as an architectural project at the end of the unit.

This unit is core to the Bachelor of Architecture. Contact hours: 6 hours per week for 8 weeks. Class preparation: 10 hours per week for 8 weeks. Assessment preparation: 28 hours per semester.

### ARCH5201

#### Architectural Design Studio D Architecture, Design and Planning

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Classes:** 8 hours per week **Prerequisites:** ARCH4201 **Corequisites:** ARCH5202 **Prohibitions:** ARCH3105 **Assessment:** Assessment will be in the form of specific, short design exercises, attendance and a major design proposal presentation to a critique jury. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit available to BArch only and not available beyond 2009. Classes will run with MARC5001.*

**Associated degrees:** B Arch.

On the successful completion of this unit students will have demonstrated: an ability to graphically communicate an interpretation of a brief; an ability to formulate and present concepts useful to design from a brief and site; the ability to translate and extend these starting points into a working design proposal; a method of developing a design proposal in response to critique; the communication of design ideas effectively through appropriate graphic and three dimensional means using architectural conventions, and demonstrating the ability to cohesively design and execute a comprehensive presentation.

This unit is core to the Bachelor of Architecture. Contact hours: 8 hours per week. Class preparation: 8 hours per week. Assessment preparation: 8 hours per week.

## ARCH5202

### Design Technology 2

#### Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2.5 hours per week  
**Prerequisites:** ARCH4202 **Corequisites:** ARCH5101 **Prohibitions:** ARCH3102, DESC2101 **Assessment:** Attendance, tutorial participation and Assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit available to BArch only and not available beyond 2009.*

**Associated degrees:** B Arch, UG Study Abroad Program.

This unit is intended to cover the practicalities that need to be resolved when proposing a building. The proposal must be realisable in terms of planning, servicing, meeting the provisions of the Building Code of Australia, and funding. This unit concentrates on the implications of building services provision on space planning, building form and architectural design. It will instil in students an understanding of the vocabulary of building services so that they can usefully contribute to and direct the selection of servicing strategies and equipment choices in discussion with other building consultants. It will further nurture the student's ability to make early design 'guesstimates' of the space needs and appreciation of the layout consequences of design decisions.

At the successful completion of this unit of study, students will have demonstrated: an ability to realistically assess the services requirements for a building in terms of its usage; an ability to generate and assess alternative servicing strategies; an understanding of the advantages and disadvantages of different types of servicing equipment; an ability to prepare early 'guesstimates' of the space and volume requirements of the servicing equipment; an ability to comprehend the potential spatial clashes between structure and services; and an awareness of the impact of the BCA Fire, Egress, and Amenity provisions on design.

This unit is core to the Bachelor of Architecture. Contact hours: 2.5 hours per week. Class preparation: 2.5 hours per week. Assessment preparation: 13 hours per semester.

## ARCH6104

### Theory in Architecture

#### Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours per week  
**Prohibitions:** ARCH2102 **Assessment:** Attendance, tutorial participation and submission on selected theory and buildings. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit available to BArch only and not available beyond 2009. Classes will run with MARC4102.*

**Associated degrees:** B Arch, UG Study Abroad Program.

The unit examines recent and contemporary theory in architecture. Select examples will be emphasised, and their relationship to both theory and architecture discussed. At the conclusion students will be familiar with these key debates in theory, and will understand their terms and their relationship to architecture. Particular emphasis will be placed on theory related to modernity and to contemporary practice. On successful completion of this unit a student will have demonstrated: a familiarity with select examples of theory, and an understanding of the references and terms used as expressed in the student's words in written or seminar format; and an ability to apply or relate specific

theory to architecture, using the essay and/or graphic means to demonstrate this relationship between theory and architecture.

This unit is core in the Bachelor of Architecture. Contact hours: 2 hours per week. Class preparation: 2 hours per week. Assessment preparation: 26 hours per semester.

## ARCH6201

### Management in Architecture

#### Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hours per week  
**Prerequisites:** ARCH4103 **Prohibitions:** ARCH3106, ARCH3107  
**Assessment:** written exercises, tutorial participation, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit available to BArch only and not available beyond 2009. Classes will run with MARC5201.*

**Associated degrees:** B Arch, UG Study Abroad Program.

Students are expected to demonstrate a capacity to identify specific issues and articulate methods of resolving related problems with specific reference to the links between the contacts, their administration, the architect's responsibility to the contracted parties, and how these issues can impact on the design and construction of a building project.

This unit provides information on the practice of architecture with particular emphasis on the obligations and responsibilities of architects to clients, builders, consultants and the community and to the administration of contracts commonly used in the procurement of buildings.

The unit provides instruction in: the regulation of the architectural profession; roles of consultants and their selection, engagement, coordination and responsibilities; modes of practice, conditions of engagement for architects; fee structures; meeting procedures; pre-contract management; contract selection and administration; alternative procurement methods and the relationship of these factors in completing a building project.

On the successful completion of this unit of study, students will have demonstrated: an understanding of an architect's responsibilities; an understanding of the management of architectural practices; an understanding of the manner in which architects are involved in contract administration, and commonly used procurement methods within the building industry.

This unit is core in the Bachelor of Architecture. Contact hours: 3 hours per week. Class preparation: 1 hour per week. Assessment preparation: 26 hours per semester.

## ARCL1801

### Archaeology (Classical) Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Arts.

## ARCL2804

### Archaeology (Classical) Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

## ARCL2805

### Archaeology (Classical) Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

## ARCL2806

### Archaeology (Classical) Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

## ARCL2810

### Archaeology (Classical) Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

## ARCL2811

### Archaeology (Classical) Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

## ARCL4011

### Archaeology (Classical) Honours A Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Lesley Beaumont **Session:** Semester 1, Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** (a) Credit results in ARCL2600 Special Topics in Classical Athens and ARCL3691 Research Issues in Classical Archaeology (or equivalent); (b) Credit average in two of the following units: ARCL 2601 (The World of Classical Athens), ARCL 2602 (Cities and Sanctuaries), ARCL 2603 (The Archaeology of Pre-Roman Italy), ARCL 2604 (Aegean Prehistory [ca. 3000-1100 BC]), ARCL 2605 (The Archaeology of the Roman East) (or equivalent); (c) Credit average in any two other Senior Archaeology or Heritage Studies units (including those in the list above and senior Archaeology exchange units); (d) HSC 2-unit or equivalent knowledge of at least one of the following languages: French, German, Italian and Modern Greek. **Assessment:** All of the major components of the Honours year will be assessed. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: All intending Honours students should complete ARCA3600 Archaeological Research Principles. Curriculum reform in 2008 will complicate Honours entry from 2009. Please consult the departmental website for more information of 4th year Honours and, if in any doubt about your eligibility, contact Dr Ted Robinson*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Student Information Guide from the SOPHI Office.

## ARCL4012

### Archaeology (Classical) Honours B Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Lesley Beaumont **Session:** Semester 1, Semester 2 **Corequisites:** ARCL4011 **Assessment:** As ARCL4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

## ARCL4013

### Archaeology (Classical) Honours C Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Lesley Beaumont **Session:** Semester 1, Semester 2 **Corequisites:** ARCL4012 **Assessment:** As ARCL4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

## ARCL4014

### Archaeology (Classical) Honours D Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Lesley Beaumont **Session:** Semester 1, Semester 2 **Corequisites:** ARCL4013 **Assessment:** As ARCL4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

## ARHT1001

### Art and Experience Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc. Prof. M Roberts **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Assessment:** Essay and tutorial paper (total of 4,000 words) **Practical field work:** The Art Workshop. Students undertaking the Art History and Theory First Year Program are encouraged to enrol in a practical unit of study offered at the Art Workshop in the Faculty of Architecture. Only one introductory level workshop (worth 6 junior level credit points) is permitted. For more details please consult the Art Workshop on 9351 3115. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

ARHT1001 and ARHT1002 offer an introduction to the study of art history and theory as it is taught at the Senior and Honours levels in the Department. The subject matter covers a wide range of art practices and media, film, design and costume, and includes the examination of art from different cultures. In each semester unit, historical analysis will be combined with discussions of the different methodologies and approaches to the interpretation and study of these visual materials.

Art and Experience: the European Tradition will focus on the history of art and architecture in Western Europe from classical antiquity to the early modern period. A key focus will be on recognising the importance of the social, cultural, political and religious purpose an object or building was designed to serve, and the range of meanings the work was intended to embody - and how these change across time.

*Textbooks*

ARHT1001 Course Reader

## ARHT1002

### Modern Times: Art and Film Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Moore **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Assessment:** One 2,500 word essay and one short answer exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program.

This unit of study will focus upon the art and visual culture of the nineteenth and twentieth centuries, examining this historical period in relation to the thematic of the modern. Visual material studied will include painting, film, architecture and costume. As with ARHT1001, historical analysis will be combined with discussions of the different methodologies and approaches to the interpretation and study of these visual materials.

*Textbooks*

Recommended Reading:

Paul Wood (ed.), The Challenge of the Avant-Garde. Yale University Press, New Haven and London, 1999.

## ARHT1801

### Art History and Theory Exchange Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point Junior unit of study in Art History and Theory at an

approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

### ARHT2610

#### Art and Society in Trecento Italy

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr L Marshall **Session:** Semester 1 **Classes:** One 2 hour lecture and 1 hour tutorial per week **Prerequisites:** ARHT1001 and ARHT1002 **Prohibitions:** ARHT2010 **Assessment:** One 1000 word visual test (35%), one class presentation (10%) and one 3000 word essay (55%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit of study will explore a range of alternative approaches to art produced in Italy during the late thirteenth and fourteenth centuries. Topics to be investigated include: problems of monographic analysis; the implications of contemporary workshop practice; civic, familial and princely patterns of artistic patronage; the meaning of Trecento 'naturalism'; alternatives to the 'Tuscanisation' of fourteenth-century art through a consideration of other centres such as Bologna, Rimini, Verona, Padua and Venice.

##### Textbooks

Recommended Readings:

Paoletti, J.T. and G. Radke, *Art in Renaissance Italy*, 3rd ed., London, 2005

### ARHT2611

#### Art and Experience in Renaissance Italy

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr L Marshall **Session:** Semester 2 **Classes:** One 2hour lecture and one 1hour tutorial per week. **Prerequisites:** ARHT1001, ARHT1002 **Prohibitions:** ARHT2011 **Assessment:** 2000 word essay, 2000 word visual test/ assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit of study will explore a range of alternative approaches to Italian Renaissance art and architecture. Topics to be investigated include the concept of the Renaissance and the idea of progress; Quattrocento 'naturalism' and the function of the image; perspective as symbolic form; the Renaissance altarpiece; nudity and the body; Renaissance portraiture and issues of gender; the 'building boom' and the family palace; patronage networks, including the patronage of major Florentine families such as the Strozzi and Medici; civic ritual and public space; the mythology of Venice; art at the papal and princely courts, such as Ferrara, Rimini, Mantua and Milan.

##### Textbooks

Paoletti, J.T. and G. Radke, *Art in Renaissance Italy*, 3rd ed., London, 2005

### ARHT2612

#### 17th Century Art: Royalty and Riches

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc. Prof. J Milam **Session:** Semester 2 **Classes:** One 2hour lecture and one 1hour tutorial per week. **Prerequisites:** ARHT1001 and ARHT1002 **Prohibitions:** ARHT2012 **Assessment:** Essay 2000 words, visual test 2000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program.

This unit of study considers the place of the artist and the architect in European courts during the seventeenth century. The focus will be on the image of the ruler and the princely palace as a political and social symbol. Patterns of patronage and issues of artistic independence will be investigated through examples of major commissions in painting, sculpture and architecture. Tutorials will involve a more careful examination of theoretical approaches to the expression of power, wealth and glory in visual form.

##### Textbooks

Recommended Reading:

Anne Sutherland Harris, *'Seventeenth-Century Art and Architecture'* (London:2005)

### ARHT2613

#### The Art of France

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc. Prof. Jennifer Milam **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hr tutorial per week. **Prerequisites:** ARHT1001 and ARHT1002 **Prohibitions:** ARHT2013 **Assessment:** 2,000 word essay and 2000 word visual test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program.

This Unit of Study explores the development of a national tradition of art and architecture in France from the beginnings of absolutism to the eve of the Revolution. Topics of lectures and tutorials include the circumstances leading to the foundation of Academies and the development of academic discourse; the commitment to an official system for educating young artists, both in France and in Rome; the alliance between art and absolutism; the artist and the courtier; the public display of art and the creation of new audiences; the emergence of art criticism and architectural theory; the portrayal of daily life, landscape and erotic subjects in relation to major currents of Enlightenment thought.

##### Textbooks

Unit of Study Reader

### ARHT2624

#### Contemporary International Art

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr T Berghuis **Session:** Semester 2 **Classes:** One 1hour lecture and one 2hour tutorial a week **Prerequisites:** ARHT1001 and ARHT1002 **Prohibitions:** ARHT2024 **Assessment:** One essay or curatorial proposal and one tutorial paper to a total of 4000-4500 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program.

This unit of study examines contemporary international art and craft. Focus is on art materials, technologies and processes, along with recurrent themes and issues raised in work from selected regions. The course is organised thematically, and its international frame is not centred on Europe and the U.S. The course is organised thematically, and its international frame is not centred on Europe and the U.S. An important component of the unit is the analysis of contemporary art writing and curatorial practice. Tutorials will include visits to significant exhibitions including the Biennale of Sydney. Students are encouraged to work with contemporary museum holdings.

##### Textbooks

ARHT2624 Course Reader

### ARHT2632

#### Modern Australian Art and Cinema

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Moore **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** ARHT1001 and ARHT1002 **Prohibitions:** ARHT2032 **Assessment:** One essay or curatorial project and one tutorial paper to a total of 4000-4500 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit of study examines Australian art, cinema and popular visual imagery from 1880-1940. Themes to be covered include the landscape tradition and Australian national identity, urban imagery, images of war, the positioning of women, indigenous and migrant cultures, the fledgling Australian film industry and related responses to issues of

modernity and modernism. Students will be encouraged to work with the University art collections.

*Textbooks*  
ARHT2632 Course Reader

### ARHT2636 Contemporary Indigenous Australian Art Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof. R Benjamin **Session:** Semester 1 **Classes:** One 2hour lecture and one 1hour tutorial per week. **Prerequisites:** ARHT1001 and ARHT1002 **Prohibitions:** ARHT2036 **Assessment:** One essay and one exhibition to a total of 4000-4500 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program.

This course studies the efflorescence of contemporary Aboriginal and Torres Strait Islander art, which makes up over half of today's Australian art market. While providing a grounding in major movements like Papunya Tula (from 1971) and bark painting in Arnhem Land, the focus will be on critical and theoretical issues affecting art practice today: questions of appropriation and copyright, the relationship of art to native title and reconciliation, the market for Indigenous art (from prestigious auctions to tourist shops), the politics of curatorial practice, the changing status of women artists, the Indigenous use and re-use of photography, and the relevance of postmodern and postcolonial theories in reading urban art. Key figures treated will include Tracy Moffatt, Gordon Bennett, Rover Thomas and Emily Kngwarreye. Certain classes will be conducted at the Art Gallery of New South Wales or the Museum of Contemporary Art. Lecturers will include prominent Indigenous curators and artists.

*Textbooks*  
Recommended Readings: Howard Murphy, 'Aboriginal Art', Phaidon, London, 1998; Wally Caruana, 'Aboriginal Art', Thames & Hudson, 1993; Sylvia Kleinert and Margo Neale (eds), 'The Oxford Companion to Aboriginal Art and Culture', OUP, 2000. A reader is available from the copy centre.

### ARHT2640 Modern and Contemporary Asian Art Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr T Berghuis **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** ARHT1001 and ARHT1002 or ASNS1001 and ASNS1002 or ASNS1001 and ASNS1101 **Prohibitions:** ARHT2040 **Assessment:** One essay and one tutorial paper to a total of 4000-4500 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

In Asia there has developed both the nationalist art of a series of modernising states and a counter-establishment art which has frequently been formally modern. Students will learn how to analyse art works and institutions in terms of critical notions of modernity which arise in these Asian contexts but which do not require projection from outside. Focus will chiefly be on China, Hong Kong, Taiwan and India since the 1850s. Other examples will be drawn from Japan, Thailand and Indonesia.

*Textbooks*  
ARHT2640 Course Reader

### ARHT2641 Art and Archaeology of South East Asia Arts

**Credit points:** 6 **Teacher/Coordinator:** Professor John Clark, Dr Martin Polkinghorne **Session:** Semester 2, Summer Late **Classes:** 2 one hour lectures per week. Offered as an intensive 18-day unit of study in Cambodia in summer. **Prerequisites:** The pre-requisites are any of ARHT1001 and ARHT1002 or ASNS1001/1601 and ASNS1002/1602 or ASNS1001/1601 and ASNS1101 or any one of ARPH1001, ARPH1002, ARPH1003 **Prohibitions:** ARHT2041 **Assessment:** One site, building or art work report (1500 words) and one long essay (4500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Field Experience

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

The following concrete areas will be covered: Monuments and cities of ancient Southeast Asia; iconography of Southeast Asian Hindu/Buddhist Art, with an emphasis on the murals and sculpture found in Buddhist and Hindu temples; Buddhist sculpture in its historical development; the influence of India and China on Southeast Asian culture and art.

*Textbooks*  
Recommended Readings:  
Jacques, C. and Freeman, M., 2006, Ancient Angkor, River Books: Bangkok  
Kerlogue, Fiona, 2004, Arts of Southeast Asia, Thames & Hudson: London  
A course reader will be provided

### ARHT2652 From Silent to Sound Cinema Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr L Jayamanne **Session:** Semester 2 **Classes:** One 2 hour lecture, one 1 hour tutorial and one 2 hour film screening per week **Prerequisites:** ARHT1001 and ARHT1002 (For Art History Major) ARHT1002 or ENGL1025 (For Film Major) **Prohibitions:** ARHT2052 **Assessment:** One essay, one film analysis and one tutorial presentation totalling 4000-4500 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Film Studies Core Unit. This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This course examines film/cinema as a manifestation of modernity i.e. as commodity, industry, institution and mass production of the senses (aesthetics). These concepts integral to modernity will be explored through a study of Early American cinema and the Weimar cinema of Germany in the 1920s. Detailed work will be done on the following genres, Slapstick & Melodrama (in Hollywood), and Horror/Fantasy (in Weimar cinema). While the focus will be on the aesthetics of these films, the historical and industrial context of each national cinema will form an essential background.

The course will introduce a selection of major classical and contemporary film theories such as those of Sergei Eisenstein and Gilles Deleuze as well as the recent scholarship on silent film aesthetics and spectatorship within the wider intellectual tradition of theorising modernity and vernacular modernisms.

An emphasis will be placed on the idea of filmic performance (film as an art of movement and time) which includes camera rhetoric, editing, acting, mise-en-scene. The course will study the phenomenon of stardom through one of cinema's very first global icons, Charlie Chaplin whose work will enable us to cross the technological divide between silent and sound cinema in the last segment of the course.

*Textbooks*  
Recommended Readings:  
'The Silent Cinema Reader', Eds. Lee Grieveson and Peter Kramer (Routledge, London and New York, 2004)

### ARHT2655 Modern Cinema: Modes of Viewing Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 2, Summer Main **Classes:** One 2 hour lecture, 1 hour tutorial and one 2 hour film screening per week **Prerequisites:** ARHT1001 and ARHT1002 (For Art History Major) ARHT1002 or ENGL1025 (for Film Majors) **Prohibitions:** ARHT2055 **Assessment:** Essay and tutorial paper totalling 4000-4500 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

This unit of study will give an introduction to how film studies has analysed the meaning of a film in relation to how the film incorporates or addresses the spectator (what is known as theories of spectatorship). Commencing with debates around classical Hollywood cinema and the functioning of the point of view shot, the unit will examine how theories of spectatorship have understood the significance of different genres.

*Textbooks*  
ARHT2655 Course Reader



**ARHT2656****National and Transnational Cinemas****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr R Smith **Session:** Semester 1  
**Classes:** One 2hour lecture, one 1hour tutorial, 2-3 hour film screening.  
**Prerequisites:** ARHT1001 and ARHT1002 (For Art History Major) ARHT1002 or ENGL1025 (for Film Majors) **Prohibitions:** ARHT2056 **Assessment:** Essay and film analysis (total 4,000-4,500 words) **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program.

This unit of study investigates the problem of national cinema in terms of cultural specificity, identity and difference. The cinematic production of different nations will be compared in ways that draw out the various dimensions of the overall problem of the relation of cinema to the nation, of cinematic nationalism, and of cinema to existent and emergent cultural forms. One problem for national cinemas is that production is geographically dispersed and formally divergent. A film that is in production can exist not only in several forms, for instance, in analogue and digital forms, but can also be in production in different places and at different stages of production, pre-production and postproduction, at the same time. A key issue, then, is how national cinemas have responded, and continue to respond to globalised, transnational film production and distribution, and to the ever-present demand for technological and aesthetic renewal. If a film does not exist in any one form or be present in any one place how can it be said to belong to a national context?

*Textbooks*

Recommended Readings:

Hjort, Mette and Scott Mackenzie, 'Nation and Cinema', London and New York: Routledge, 200

**ARHT2810****Art History and Theory Exchange****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Art History and Theory.

**ARHT2811****Art History and Theory Exchange****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Art History and Theory.

**ARHT2812****Art History and Theory Exchange****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Art History and Theory.

**ARHT2813****Art History and Theory Exchange****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Art History and Theory.

**ARHT2814****Art History and Theory Exchange****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Art History and Theory.

**ARHT2815****Art History and Theory Exchange****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Art History and Theory.

**ARHT2816****Art History and Theory Exchange****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Art History and Theory.

**ARHT2817****Art History and Theory Exchange**

## Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Art History and Theory at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Art History and Theory.

### ARHT4011

#### Art History and Theory Honours A Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2 **Classes:** Two hour seminars **Prerequisites:** Students wishing to do Honours should have results of credit or better in at least 48 senior ARHT credit points. **Assessment:** Art History and Theory IV has three components: a thesis and 2 semester-length seminars chosen from a pool of units of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Seminar Units:

NOTE: These courses are based on weekly 2 hour seminars. Students are required to submit written work totalling 5000 words for each option.

Semester 1

American Film & Hollywood,

Dr R Smith

This unit explores the relationship between 'American cinema' and Hollywood cinema. 'American cinema' draws inspiration from and attempts to contribute to cultural movements and contexts that include Hollywood but extend to literature and the visual arts more generally. Hollywood's power as a cultural sign will be examined in relation to alternative and independent film cultures. This will include not only analysis of feature films but also of writings by filmmakers and theorists. Questions of cinematic subjectivity and authorship will be a focus of the unit.

Editing the Moving Image

Dr K Broadfoot

This unit examines different approaches to the editing of the moving image. Different styles of editing from the early days of cinema to contemporary media practice will be studied. There will be regular screening of films with particular sequences selected each week for analysis and discussion. The impact of different technologies and forms, such as television and the digital image, will be considered. The range of methodologies that film and media studies have developed for interpreting the effects of editing will be studied.

Australian Art: A World Upside Down

Dr A Calloway

This unit considers the special significance of ephemeral art as the cultural thread that linked the European hub to its periphery. It will examine how, in colonial situations where the academic canon could not apply. Western high-art traditions were encoded in innovative and less rarefied imagery. In identifying the classical and theatrical rhetoric embodied in popular art and public spectacle, the unit will consider the practical, theoretical and historiographical implications of this Antipodean inversion of the traditional hierarchy of art.

The Eighteenth Century: Art, Film, Text

Assoc. Prof. J Milam

This unit examines social, cultural, historical and aesthetic connections between the visual arts, texts and films related to the long eighteenth century. In two-week blocks, we will consider key works of art, architecture, fashion, memoirs, collected letters and literature from the period first in terms of their original contexts, and then as visual

narrative devices through which contemporary issues have been explored in Hollywood and European films.

Matisse & Picasso: Discourse & Exhibition

Prof. R Benjamin

This unit offers a parallel study of the European modernists Henri Matisse and Pablo Picasso from their earliest academic training in 1890 to the aftermath of World War II. Situating them within the avant-garde and its institutions, it encompasses Fauvism, analytic and synthetic Cubism, decorative modernism, the Return to Order, Surrealism, and the Cutout. Key artworks will be a focus for analyses of the criticism of the day. Current interpretative models, textual as well as exhibition-based (eg Matisse/Picasso, MoMA New York) will also be debated.

Semester 2

Asian Modernities

Dr T Berghuis

The unit will examine the theoretical and empirical implications of plural modernities in art, and not the singular, homogenous genealogy of Euramerican discussions. It examines problems of post-modern and post-colonial conceptions applied in Asian contexts, and the range of other models for interpreting modernities as parallel to or 'other' than those of Euramerica. Each student will present a theoretical survey of one issue and also an application of a theoretical position to a concrete Asian art historical case.

Texts:

Clark, John, 'Modern Asian Art', Honolulu, University of Hawai'i Press, 1998 and 'Asian Modernism: Diverse Development in Indonesia, the Philippines and Thailand', Tokyo, Asia Center, 1995.

Cross-Cultural Art & Film

Assoc. Prof. Mary Roberts

This unit explores major issues and debates in the study of cross-cultural art. A central focus is the examination of contemporary art in relation to its colonial heritage. The theoretical issues that inform this subject include: the relationship between aesthetics and politics, post-colonialism and feminism, questions of cultural agency and resistance, the structure and operation of the colonial stereotype, cultural hybridity, cross-cultural borrowing and appropriation. Students should complete the subject with an understanding of both the broad theoretical issues and the historical/regional specificity of cross-cultural art forms.

Recommended Readings:

Zeynep Celik, "Speaking Back to Orientalist Discourse at the World's Columbian Exposition", 'Noble Dreams Wicked Pleasures. Orientalism in America, 1870-1930', Princeton University Press and Sterling and Francine Clark Art Institute, New Jersey and Williamstown, 2000, pp77-97; Darcy Grigsby, "Out of the Earth: Egypt's Statue of Liberty", 'Edges of Empire, Orientalism and Visual Culture', eds., Jocelyn Hackforth-Jones and Mary Roberts, Blackwells, Oxford, 2005, pp. 38-69.; Michael Archer, Guy Brett and Catherine de Zegher (eds.), 'Mona Hatoum', Phaidon, London, 1997; Edward Said, "Reflections on Exile", 'Out There, Marginalization and Contemporary Cultures', eds. Russell Ferguson, Martha Gever, Trinh T.

Death & Disease in Renaissance Italy

Dr L Marshall

This course explore the interplay between art and disease in Renaissance Italy. Issues to be investigated include: the religious and psychological effects of catastrophic disease, such as the Black Death, and the possible effects on art; images of death and disease before and after the plague; the prophylactic role of images; Renaissance conceptions of the workings of the celestial court; civic, familial and individual patronage of plague images.

Recommended Readings:

P. Ziegler, The Black Death, London, 1969;

M. Meiss, Painting in Florence and Siena after the Black Death, Princeton, 1951 (and later reprintings);

L. Marshall, "Manipulating the Sacred: Image and Plague in Renaissance Italy", *Renaissance Quarterly*, 47, 1994, 485-532.

Film Theory: Art, Industry, Culture

Dr K Broadfoot

The relation of film to industrial modernity is an ongoing issue for film theorists. With the advent of digital image processes and production the relation of art and industry has re-emerged with a new set of problems. How do we conceptualise the new forms? What theoretical and aesthetic language(s) do we draw on? And how best to rethink film in the face of rapid technological, formal and cultural change? These issues will be investigated via an examination of the history of film theory's attempts to formulate concepts adequate to the age of industrial modernity.

Documentary Film

Dr R Smith

This unit examines the theory, practice and criticism of documentary filmmaking from its inception to the present. It will focus on key movements and filmmakers as a means of tracking and assessing critical changes to the status and value of the "truth claims" of the documentary. The unit will move towards a critical assessment of the slow erosion of the distinction between the documentary image and the fiction image in its place in new media.

Cinematographic Performance

Dr L Jayamanne

This unit will provide an overview of the history of feminist film theory, criticism and film, taken as a point of departure for the study of cinematic modulation of gesture and affect. The aim is to explore the powers and qualities by which film creates bodies of all sorts (both organic and non-organic), including of course gendered bodies. This is therefore a unit concerned with film aesthetics, providing a precise focus on the study of how filmic powers and qualities are activated across a range of films (Hollywood genre films and Independent films). Gilles Deleuze's film theory will be used in this course as analytic tools to open up the field to further experimentation.

#### ARHT4012

##### Art History and Theory Honours B

###### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ARHT4011  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Refer to ARHT4011

#### ARHT4013

##### Art History and Theory Honours C

###### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ARHT4012  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Refer to ARHT4011

#### ARHT4014

##### Art History and Theory Honours D

###### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ARHT4013  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Refer to ARHT4011

#### ARIN2600

##### Technocultures

###### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1  
**Classes:** One 1 hour lecture and one 2 hour tutorial per week **Prerequisites:** 18 junior credit points **Prohibitions:** ARIN3000 **Assessment:** Review (1500 words); Presentation & documentation (500 words equiv); Essay (2000 words);

Participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A (Dig Tech & Culture), B A Informatics, UG Study Abroad Program.

Technocultures explores how technology and culture are bound together in increasingly complex ways. Information and communication technologies in particular contribute to widespread reconfigurations of writing, sociality, politics, embodiment, aesthetics, perception, memory and thought itself. Drawing on recent critical theory and cultural research, this unit unravels the complex interplay between humans and technologies.

###### Textbooks

ARIN2600 Course Reader

Recommended reading:

Trend, David (2001) *Reading digital culture*, Malden, Mass. and Oxford: Blackwell.

Murphie, Andrew and John Potts (2003) *Culture and technology*, London: Palgrave MacMillan.

#### ARIN2610

##### Web Production

###### Arts

**Credit points:** 6 **Teacher/Coordinator:** Mr J Tonkin **Session:** Semester 2, Summer Main **Classes:** One 1 hour lecture and one 2 hour workshop per week **Prerequisites:** 18 junior credit points **Prohibitions:** ARIN2100 **Assessment:** One 1500 word website review, one 1500 word essay, one project / website (equivalent to 1500 words) and participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A (Dig Tech & Culture), B A Informatics, UG Study Abroad Program, UG Summer/Winter School.

Where web production was once the domain of technical specialists, it has become an everyday activity. The challenge now is to do it well. Learn key concepts and skills for the analysis and production of media for the World Wide Web. Critically examine contemporary writing practices and design methodologies in emerging forms of internet content authoring and distribution. Learn a range of content creation tools and develop strategies for building and managing web content in ways appropriate to specific contexts.

###### Textbooks

Readings will be supplied online

Recommended reading:

Sarah Horton, 2005

Access by Design: A Guide to Universal Usability for Web Designers

[http://universalusability.com/access\\_by\\_design/](http://universalusability.com/access_by_design/)

#### ARIN2620

##### Cyberworlds

###### Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms K Cleland **Session:** Semester 1  
**Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points **Prohibitions:** ARIN2200 **Assessment:** One 2000 word report, one 2500 word research project. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: May be cross-listed for a Sociology major*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A (Dig Tech & Culture), B A Informatics, UG Study Abroad Program.

Are online encounters different from face-to-face encounters? Are online communities 'real' communities? How do online identities relate to offline identities? This unit of study introduces students to key perspectives, themes and debates in the expanding world of cyberspace and cyberworld communities including social networking sites, games and virtual worlds. Students will also investigate how new forms of user-generated content and participatory media are shaping our cyberworld experiences.

###### Textbooks

ARIN2620 Course Reader

#### ARIN2630

##### Digital Arts

###### Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms K Cleland **Session:** Semester 2  
**Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points **Prohibitions:** ARIN2300 **Assessment:** One 2000 word

essay, one 1000 word review and one research project (equivalent to 1500 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: May be cross-listed for an Art History and Theory major.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A (Dig Tech & Culture), B A Informatics, UG Study Abroad Program.

This unit of study introduces students to a diverse range of art practices that utilise new digital media including: interactive art works, digital media installations, net art and art and science projects. Students will learn about the aesthetic and technical dimensions of new digital technologies and will develop the critical and analytical tools with which to discuss and evaluate digital art works.

*Textbooks*

ARIN2630 reader

Paul, C. Digital Art. London: Thames & Hudson, 2003

Recommended reading:

Bolter, J.D. & Grusin, R. A. Remediation: understanding new media. Cambridge, Mass.: MIT Press, 1999.

## ARIN2801

### Digital Cultures Exchange

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A (Dig Tech & Culture), B A Informatics.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Digital Cultures at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Digital Cultures.

## ARIN2802

### Digital Cultures Exchange

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A (Dig Tech & Culture), B A Informatics.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Digital Cultures at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in Digital Cultures.

## ARIN2803

### Digital Cultures Exchange

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A (Dig Tech & Culture), B A Informatics.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Digital Cultures at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in Digital Cultures.

## ARIN2804

### Digital Cultures Exchange

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A (Dig Tech & Culture), B A Informatics.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Digital Cultures at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in Digital Cultures.

## ARIN2805

### Digital Cultures Exchange

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A (Dig Tech & Culture), B A Informatics.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Digital Cultures at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in Digital Cultures.

## ARIN2806

### Digital Cultures Exchange

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A (Dig Tech & Culture), B A Informatics.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Digital Cultures at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in Digital Cultures.

## ARIN2807

### Digital Cultures Exchange

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A (Dig Tech & Culture), B A Informatics.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Digital Cultures at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in Digital Cultures.

## ARIN2808

### Digital Cultures Exchange

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A (Dig Tech & Culture), B A Informatics.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Digital Cultures at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in Digital Cultures.

## ARIN3620

### Researching Digital Cultures

## Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 2  
**Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 senior credit points **Prohibitions:** ARIN2000 **Assessment:** Paper/review (750 words); Research proposal and ethics form (3000 words); Journal (750 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A (Dig Tech & Culture), B A Informatics.

How do people use new media technologies? To answer this question you need to know how to conduct research: a systematic investigation using carefully chosen and ethically sound methods. In this unit students prepare a research proposal to improve knowledge about the social implications of the latest developments in information technologies. They build their methodology by choosing a combination of methods: ethnography, interviews, surveys, online methods, discourse analysis, content analysis or case studies.

### Textbooks

ARIN3620 Course Reader

Recommended reading:

Jensen, K. (2002) Handbook of Media and Communication Research. London and New York: Routledge.

## ARIN3640

### Computer Games and Simulation

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Mr J Tonkin **Session:** Semester 1  
**Classes:** One 1 hour lecture and one 2 hour seminar per week **Prerequisites:** 18 junior credit points **Assessment:** One 1500 word review, one 1500 word exercise and one design project (equiv 1500 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A (Dig Tech & Culture), B A Informatics, UG Study Abroad Program.

From first person shooters to massively multiplayer environments, computer games are rapidly emerging as distinctive cultural forms. The screen languages of interaction and simulation are diverging from and complicating cinematic and televisual conventions. Simulation and visualisation technologies and techniques have developed across many fields. This unit of study introduces students to key concepts and methodologies in computer games and simulation. It combines critical and historical readings in games studies, new media theory and interaction design with hands-on exercises.

### Textbooks

Readings will be supplied online

Recommended reading:

Salen, K. and Zimmerman, E. (2003) Rules of Play, Game Design Fundamentals. Cambridge, MA: MIT Press.

Salen, K. and Zimmerman, E. (2006) Rules of Play, The Game Design Reader : a rules of play anthology. Cambridge, MA: MIT Press.

## ARIN3650

### Digital Cultures Project 1

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms K Cleland **Session:** Semester 1  
**Classes:** One 2 hour seminar and one 1 hour consultation with supervisor per week **Prerequisites:** ISYS3403 (ISYS3113), ISYS3400 (ISYS3207) and ARIN3620 (ARIN2000) **Prohibitions:** ARIN3500, ARIN3600 **Assessment:** One 1000 word article, one 1500 report and one 3000 word project proposal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Dig Tech & Culture), B A Informatics.

In this unit, students work in groups to research and develop a detailed proposal for a Digital Cultures project. They identify an actual client and prepare the scope and design for the project. This gives BA (Digital Technology and Culture) students the opportunity to apply, extend and inter-relate skills and knowledge gained from their Information Systems major, Arts major, and Digital Technology and Culture units. The proposal forms the basis of the ARIN3660 project.

### Textbooks

Rosenfeld, L. and Morville, P. (2006) Information architecture for the World Wide Web. Beijing; Cambridge, MA: O'Reilly.

ARIN3650 Course Reader

## ARIN3660

### Digital Cultures Project 2

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 2  
**Classes:** One 2 hour seminar per week **Prerequisites:** ISYS3403 (ISYS3113), ISYS3400 (ISYS3207), ARIN3620 (ARIN2000) and ARIN3650 **Prohibitions:** ARIN3500, ARIN3600 **Assessment:** Project presentation (1000 words); Project prototype and documentation (2500 word equiv.); Project report (1000 words); participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Dig Tech & Culture), B A Informatics.

In this unit of study students develop a prototype of the Digital Cultures project that they proposed in ARIN3650. Through this project they will demonstrate strategies, skills and knowledge from their studies in Information systems, the Arts, including units in the Digital Technology and Culture Program.

### Textbooks

Rosenfeld, L. and Morville, P. (2006) Information architecture for the World Wide Web. Beijing; Cambridge, MA: O'Reilly.

ARIN3660 Course Reader

## ARIN3670

### Digital Cultures Internship

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms K Cleland **Session:** Semester 1, Semester 2 **Prerequisites:** ARIN1000 and either ISYS1003 or INFO1000 or INFO1003; 36 senior credit points of ARIN and ISYS/INFO **Corequisites:** ARIN3680 **Prohibitions:** Enrolment is subject to approval by the Director of the BA (Digital Technology and Culture) program and locating an appropriate match between student and organisation. **Assessment:** Students must satisfy the requirements of an internship contract with their workplace, including attendance and performance, as evaluated through a workplace supervisor report. Students will also be required to keep an online journal during the duration of the internship. The internship and journal are assessed on a satisfactory/unsatisfactory basis. **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment. Note: Students will usually not enrol in ARIN3670 until the second semester of their 3rd year.*

**Associated degrees:** B A (Dig Tech & Culture), B A Informatics.

The internship consists of a work placement comprising a minimum of 20 working days in an appropriate organisation, assisted and supervised by both the workplace and staff from the Digital Technology and Culture Program. Placements may include arts and cultural organisations and information and communication technology organisations. Students will be required to keep an online journal documenting and analysing their experiences during the internship. In consultation with their supervisor, students will formulate a topic for their research essay for the co-requisite unit ARIN3680 Digital Cultures Internship Project.

## ARIN3680

### Digital Cultures Internship Project

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms K Cleland **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week **Prerequisites:** ARIN1000 and either ISYS1003 or INFO1000 or INFO1003; 36 senior credit points of ARIN and ISYS/INFO **Corequisites:** ARIN3670 **Assessment:** One 1000 word annotated bibliography and one 3500 word research essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Dig Tech & Culture), B A Informatics.

The Digital Cultures Internship Project follows on from the ARIN3670 Digital Cultures Internship where students are placed within an appropriate workplace. The major assessment for this unit of study is a research essay where students critically reflect on these experiences.

## ARIN4011

### Digital Cultures Honours A

#### Arts

**Credit points:** 12 **Teacher/Coordinator:** Ms K Cleland **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per semester-long unit per week **Prerequisites:** Completion of 48 senior credit points in the Digital Cultures Program comprising ARIN and cross-listed units of study. For 2008, the ARIN units must include ARIN2600 Technocultures and ARIN3620 Researching Digital Cultures. An average of credit or above must be achieved for the 48 credit points. **Assessment:** Thesis (15,000 words); 2 x Essay (9000 words equivalent)

each) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Dig Tech & Culture) Hons, B A (Hons), B A Informatics(Hons).

Honours comprises two semester-long units of study (25% each) and a thesis (50%)

#### ARIN4012

##### Digital Cultures Honours B

###### Arts

**Credit points:** 12 **Teacher/Coordinator:** Ms K Cleland **Session:** Semester 1, Semester 2 **Corequisites:** ARIN4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Dig Tech & Culture) Hons, B A (Hons), B A Informatics(Hons).

See ARIN4011

#### ARIN4013

##### Digital Cultures Honours C

###### Arts

**Credit points:** 12 **Teacher/Coordinator:** Ms K Cleland **Session:** Semester 1, Semester 2 **Corequisites:** ARIN4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Dig Tech & Culture) Hons, B A (Hons), B A Informatics(Hons).

See ARIN4011

#### ARIN4014

##### Digital Cultures Honours D

###### Arts

**Credit points:** 12 **Teacher/Coordinator:** Ms K Cleland **Session:** Semester 1, Semester 2 **Corequisites:** ARIN4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Dig Tech & Culture) Hons, B A (Hons), B A Informatics(Hons).

See ARIN4011

#### ARIS1671

##### Arabs, Islam & Middle East: Introduction

###### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 1 **Classes:** 3 hours per week **Assessment:** 2000 word essay, class presentation, final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program.

This unit provides an introduction to the study of the Arab world, Islam and the Middle East. It focuses on Arab and Islamic society and culture in the Middle East. Main themes include: Geographical setting and historical orientations; environment and society, the Arabs and the world of late antiquity; the importance of Arab trade and seafaring; the rise of Islam: the Prophet Muhammad and the Qur'an, Pillars of Islam and Community, the early Arab Islamic Caliphate; religion and politics in the Islamic tradition, Islamic law and society, aspects of Middle Eastern socio-economic and cultural life in the age of the Caliphate as a background to the early modern Middle East up to Ottoman times. On completion of this unit, students proceed to ARIS1672 in Semester 2.

*Textbooks*

Course readings and bibliography will be available.

#### ARIS1672

##### Arab-Islamic Civilisation: Introduction

###### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** ARIS1001 or ARIS1671 **Assessment:** 2000 word essay, class presentation, final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program.

This unit focuses on Arab and Islamic Learning, Spirituality and Art. Themes include: The scope of classical Arabic learning: Qur'anic studies and Prophetic traditions, the Hellenistic legacy in Arabic learning, Islamic philosophy and sciences, geographical writings and historiography, issues in Islamic theology, role of scholars, the concept of knowledge; contribution of Arabic-speaking Christian scholars to classical Arab intellectual life; Islamic asceticism, mysticism and the Sufi orders; Arab and Islamic aesthetics: religious and secular art, architectural design and decoration, the role of calligraphy, geometry and arabesque. On completion of this unit, students should proceed to ARIS3675 and ARIS3676 in the year 2010 and to ARIS2673 and ARIS2674 in the year 2011.

*Textbooks*

Course readings and bibliography will be available.

#### ARIS2673

##### Islam and Muslims in World History

###### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 1 **Classes:** 2 hour lecture and 1 hour tutorial per week **Prerequisites:** ARIS1001 or ARIS1671 or equivalent **Prohibitions:** ARIS2003 **Assessment:** Essay (2250 words), take-home exam (2250 words), tutorial participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This unit focuses on the role of Islam in world history through the discussion of issues of intercultural relations and acculturation. It highlights Islam's place in the Mediterranean world; connections with Eastern Christianity, including Byzantium; the Islamic-European encounter in Spain and Sicily and the Crusades from an Arab perspective. The unit deals with the significance of acculturation and adaptation of Islamic traditions in different parts of Africa and Asia and the role of urbanisation and trade in Islamic history.

*Textbooks*

Course readings, bibliography and brief notes will be available.

#### ARIS2674

##### Islam and Politics: Modernity Challenges

###### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 2 **Classes:** 2 hour lecture and 1 hour tutorial per week **Prerequisites:** ARIS1001 or ARIS1671 **Prohibitions:** ARIS2004 **Assessment:** Essay (2250 words), take-home exam (2250 words), tutorial participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This unit focuses on Islam as a political and cultural force in the modern world, particularly in the Middle East, North Africa and Asia. Issues include: Islamic political thought; the Sunna-Shi'a divergence and the significance of Shi'a Islam; Islamic traditionalism; reform; radicalism; Jihad and 'fundamentalism'; Islamic political movements in Arab countries; Turkey, Iran and Asia; Islam and legitimacy of political regimes; Muslim minorities in the world; current debates on the 'Islamic threat'; 'terrorism'; 'clash of civilisations' and Islamic-Western mutual perceptions.

*Textbooks*

Course readings, bibliography and brief notes will be available.

#### ARIS2801

##### Arab World Islam & Middle East Exchange

###### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

**ARIS2802****Arab World Islam & Middle East Exchange Arts**

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

**ARIS2803****Arab World Islam & Middle East Exchange Arts**

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

**ARIS2804****Arab World Islam & Middle East Exchange Arts**

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

**ARIS2805****Arab World Islam & Middle East Exchange Arts**

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

**ARIS2806****Arab World Islam & Middle East Exchange Arts**

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

**ARIS3680****Approaches to Arabic and Islamic Studies Arts**

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 2 **Classes:** 2 hours of seminars per week **Prerequisites:** Credit in ARIS2673 or ARIS3675 or ARIS2003 or ARIS2005, and credit in ARBC2613 or ARBC3635 or ARBC2103 or ARBC2313 **Assessment:** Essay in English (3000 words) with a summary in Arabic (1000 words or an additional 1000 word assignment in English), 15 minute presentation in either Arabic or English (equivalent to 2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This unit, which is a prerequisite for intending honours students, will provide students with a grounding in approaches, research tools and critical methodologies in various aspects of Arabic, Islamic and Middle Eastern Studies today and familiarise them with a range of available resources to support research in this field. It will enable students to discuss issues with established researchers and to carry out practical exercises aimed at developing their critical and analytical skills and their ability to embark on their own individual research projects under supervision in specific areas of Arab, Islamic and Middle Eastern Studies.

**Textbooks**

Course readings, bibliography and brief notes will be available.

**ARIS4011****Arabic and Islamic Studies Honours A Arts**

**Credit points:** 12 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul, Dr Nijmeh Hajjar **Session:** Semester 1, Semester 2 **Classes:** 2 hour research seminar and 2 hours of Advanced Arabic for research purposes **Prerequisites:** A total of 48 credit points in a combination of ARBC and ARIS senior units, with at least credit average. These include the 36 credit points of the major in Arabic and Islamic Studies, plus two more senior units, including the special entry unit, ARIS3680 (Approaches to Arabic and Islamic Studies). **Assessment:** Essay, classwork including seminar presentation, bibliographical assignments, 12000-15000 word thesis. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), Dip Arts(Hons).

The honours program is research oriented and should equip the student with better language and cultural skills for further and deeper study in a specialised area of Arabic and Islamic Studies. This can include: Arabic language and literature, Islamic Studies, Arabic and Islamic history, the contemporary Arab world and the Middle East, society and politics, and the study of Islam in history or in the modern world.

Students from ARIS and ARBC (beginners or advanced Arabic language strands) are encouraged to plan for honours from their first or second year of study. Students need to be highly motivated and aim to score a Credit average or higher in their Arabic and Islamic Studies major.

The fourth year honours program in Arabic and Islamic Studies consist of:

1. Practical advanced language for research purposes (in Semester 1 and 2)
2. Seminar/workshop on methodology of research in Arabic and Islamic studies (in Semester 1 and 2)
3. Four honours seminars (2 in each semester) from available advanced coursework options in Arabic and Islamic Studies
4. Writing a thesis 12000 - 15000 words (in English or Arabic) under the supervision of a member of staff who is an active researcher in the department (in Semester 2)

Students with interdisciplinary interests can enrol in joint honours or double honours, combining Arabic/Islamic studies with another suitable subject area. Students, who plan to do joint honours or double honours, need to have completed 48 senior credit points in each of the two disciplines (Arabic/Islamic and another subject area). They can take half a load in each department during their honours year, usually writing their honours thesis under joint supervision. Joint honours is usually completed in one year, double honours usually takes two consecutive years to complete.

**ARIS4012****Arabic and Islamic Studies Honours B Arts**

**Credit points:** 12 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul, Dr Nijmeh Hajjar **Session:** Semester 1, Semester 2 **Corequisites:** ARIS4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), Dip Arts(Hons).

Refer to ARIS4011

**ARIS4013****Arabic and Islamic Studies Honours C Arts**

**Credit points:** 12 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul, Dr Nijmeh Hajjar **Session:** Semester 1, Semester 2 **Corequisites:** ARIS4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), Dip Arts(Hons).

Refer to ARIS4011

**ARIS4014****Arabic and Islamic Studies Honours D**

## Arts

**Credit points:** 12 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul, Dr Nijmeh Hajjar **Session:** Semester 1, Semester 2 **Corequisites:** ARIS4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), Dip Arts(Hons).  
Refer to ARIS4011

### ARNE1801

#### Archaeology (Near Eastern) Exchange

## Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Arts.

### ARNE2603

#### Introduction to the Archaeology of Iran

## Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Dan Potts **Session:** Semester 2 **Classes:** one 1 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of Archaeology, Classical Civilisation or Ancient History **Assessment:** two 3000 word essays **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

An introduction to the art, archaeology, religion, landscape and settlement patterns of the principal cultures inhabiting the Iranian plateau and adjacent regions, with special emphasis on the culture of the Elamites, Persians, Parthians and Sasanians from prehistoric times to the 6th century AD.

### ARNE2606

#### The Archaeology of Central Asia

## Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Fiona Kidd **Session:** Semester 1 **Classes:** one 2 hour lecture per week **Prerequisites:** 12 junior credit points from Archaeology, Classical Civilisation or Ancient History. **Assessment:** one 500 word paper, one 2000 word essay, one 3500 word research paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit of study covers the archaeology of Central Asia from later prehistory to the rise of Islam. The region bridges east and west, with cultural and political influences from China, India and Persia blending into those of Mesopotamia and the Classical World. Topics include regional early state development in the Bronze Age, Achaemenid and Hellenistic influences, the empire of the Kushans and the rise of nomadic societies in the northern steppes.

### ARNE2691

#### Material Culture

## Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Dan Potts **Session:** Semester 2 **Classes:** One 2 hour seminar per week **Prerequisites:** Credit result in ARNE1001 **Prohibitions:** ARNE2901 **Assessment:** one 3000 word essay, one 3000 word take-home exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts.

A seminar-style introduction to the study of some of the most common categories of material in the Near East, including copper-bronze, iron, limestone, pottery and ivory, and to various genres of materials, such as seals, ceramics, weaponry, carved decorations and equestrian equipment, with particular emphasis on technology, manufacture, function, style, iconography, chronology and spatial distribution. Material will normally be drawn from the collections of the Nicholson Museum and may vary from year to year.

### ARNE2804

#### Archaeology (Near Eastern) Exchange

## Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### ARNE2805

#### Archaeology (Near Eastern) Exchange

## Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### ARNE2806

#### Archaeology (Near Eastern) Exchange

## Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### ARNE2810

#### Archaeology (Near Eastern) Exchange

## Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### ARNE2811

#### Archaeology (Near Eastern) Exchange

## Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### ARNE4011

#### Archaeology (Near Eastern) Honours A

## Arts

**Credit points:** 12 **Teacher/Coordinator:** Assoc Prof Alison Betts **Session:** Semester 1, Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** (a) Credit results in ARNE 2901/2691 (Material Culture) and ARNE 3901/3691 (Special Topics in West Asian Archaeology); (b) Credit average in two further senior units of Archaeology or Heritage Studies; (c) reading ability in a relevant modern European language (French, German, Italian). **Assessment:** All of the major components of the Honours year will be assessed. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: All intending Honours students should complete ARCA3600 Archaeological Research Principles. Curriculum reform in 2008 will complicate Honours entry from 2009. Please consult the departmental website for more information of 4th year Honours and, if in doubt about your eligibility, contact the relevant 4th year co-ordinator*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Student Information Guide from the SOPHI Office.

### ARNE4012

#### Archaeology (Near Eastern) Honours B

## Arts

**Credit points:** 12 **Teacher/Coordinator:** Assoc Prof Alison Betts **Session:** Semester 1, Semester 2 **Corequisites:** ARNE4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day



**Associated degrees:** B A (Hons), Dip Arts(Hons).  
See ARNE4011

### ARNE4013

#### Archaeology (Near Eastern) Honours C Arts

**Credit points:** 12 **Teacher/Coordinator:** Prof Dan Potts **Session:** Semester 1, Semester 2 **Corequisites:** ARNE4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).  
See ARNE4011

### ARNE4014

#### Archaeology (Near Eastern) Honours D Arts

**Credit points:** 12 **Teacher/Coordinator:** Prof Dan Potts **Session:** Semester 1, Semester 2 **Corequisites:** ARNE4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).  
See ARNE4011

### ARPH1801

#### Archaeology (Prehistoric & Historic) Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Arts.

### ARPH2602

#### Scientific Analysis of Materials Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Wendy Reade **Session:** Semester 2 **Classes:** one 3 hour lecture/seminar per week **Prerequisites:** 12 Junior credit points in Archaeology **Prohibitions:** ARPH2621 **Assessment:** four 1000 word assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

This unit examines the structure and properties of archaeological materials, with an emphasis on the methodology and approaches to scientific analysis. A range of analytical techniques, including spectroscopic and electron microscopy methods, is introduced. The accent is on archaeological applications, and assessment is by assignment and practical sessions.

### ARPH2603

#### The Archaeology of Society Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Dougald O'Reilly **Session:** Semester 2 **Classes:** one 2 hour lecture per week **Prerequisites:** 12 Junior credit points of Archaeology **Prohibitions:** ARPH2003 **Assessment:** two 2000 word essays and one 2 hour class test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

A global introduction to the processes and issues involved in the major transformation of human settlement behaviour since the end of the last glacial phase. Essay and project topics are arranged on an individual basis in consultation with the coordinator to suit the interests of students. Topics may be chosen on a worldwide basis. This unit of study can be used to conduct a detailed study of one region or to gain experience of a diversity of regions and topics.

### ARPH2612

#### Historical Archaeology Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Martin Gibbs **Session:** Semester 2 **Classes:** one 2 hour lecture per week **Prerequisites:** 12 Junior credit points of Archaeology **Prohibitions:** ARPH2702 **Assessment:** one 4000 word essay,

one 2000 word take-home exam or online test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This course will introduce students to the international development of historical archaeology since 1960. Because of its explicit links to historiography and documentary scholarship, historical archaeology enjoys a uniquely interdisciplinary perspective, and has been directly influenced by shifts in both anthropology and history. The current practice and international form of historical archaeology will therefore be explored in detail. Students will be required to participate in class discussions, produce oral presentations on reading materials, and complete written assignments.

### ARPH2616

#### Public Archaeology Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Sarah Colley **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour seminar per week **Prerequisites:** 12 Junior credit points of Archaeology **Prohibitions:** ARPH2010 **Assessment:** one 2500 word essay, one 1000 word seminar write-up, one 1000 word in-class test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit introduces and discusses the theory and practice of archaeology in the public domain where archaeologists have responsibilities to Indigenous peoples, community groups, clients and government. Australian and other case studies will be used to discuss the public benefits of archaeology and ways in which government policies and legislation and issues surrounding ethics and professionalism interact with popular and public understandings of the past to produce different kinds of archaeological knowledge and practice which have historical and contemporary evidence.

#### Textbooks

M. Pearson and S. Sullivan Looking after Heritage Places (Melb. Uni. Press 1995)

S. Colley, Uncovering Australia. Archaeology, Indigenous People and the Public (Allen and Unwin, 2002)

### ARPH2804

#### Archaeology (Prehistoric & Historic) Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### ARPH2805

#### Archaeology (Prehistoric & Historic) Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### ARPH2806

#### Archaeology (Prehistoric & Historic) Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### ARPH4011

#### Archaeology (Prehist/Historical) Hons A Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Sarah Colley **Session:** Semester 1, Semester 2 **Classes:** Semester 1: one 2 hour class per week, one 2 hour

weekly seminar; Semester 2: one 2 hour weekly seminar **Prerequisites:** (a) Credit results in ARPH3692 (Archaeological Research Principles) and ARPH3693 (Archaeological Practice) (or equivalent); (b) Credit results in two of the following units: ARPH2614 (Archaeological Methods), ARPH2602 (Scientific Analysis of Materials), ARPH2617 (Analysis of Stone Technology), ARPH3690 (Archaeological Applications of Computing) (or equivalent); (c) Credit results in two of the following units: ARPH2006 (Australian Archaeology), ARPH2605 (The Archaeology of Modern Times), ARPH2612 (Historical Archaeology), ARPH2611 (Archaeology of Asia), ARPH2603 (The Archaeology of Society), ARPH2616 (Public Archaeology), ARHT2641 (Art & Archaeology of SE Asia) (or equivalent); (d) Credit average in any two other Senior Archaeology or Heritage Studies units (including those in the lists above). Due to curriculum review students may be admitted to Honours, at the discretion of the Department, if they have Credit results in equivalent Archaeology units previously taught but now discontinued. **Assessment:** All of the major components of the Honours year will be assessed. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: All intending Honours students should complete ARCA3600 Archaeological Research Principles. Curriculum reform in 2008 will complicate Honours entry from 2009. Please consult the departmental website for more information of 4th year Honours and, if in doubt about your eligibility, contact Dr Sarah Colley (Semester 1) and Prof Roland Fletcher (Semester 2).*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Student Information Guide from the SOPHI Office.

#### ARPH4012

##### Archaeology (Prehist/Historical) Hons B Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Sarah Colley **Session:** Semester 1, Semester 2 **Corequisites:** ARPH4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

See ARPH4011

#### ARPH4013

##### Archaeology (Prehist/Historical) Hons C Arts

**Credit points:** 12 **Teacher/Coordinator:** Prof Roland Fletcher **Session:** Semester 1, Semester 2 **Corequisites:** ARPH4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

See ARPH4011

#### ARPH4014

##### Archaeology (Prehist/Historical) Hons D Arts

**Credit points:** 12 **Teacher/Coordinator:** Prof Roland Fletcher **Session:** Semester 1, Semester 2 **Corequisites:** ARPH4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

See ARPH4011

#### ARTS2600

##### Internship 1 Arts

**Credit points:** 6 **Teacher/Coordinator:** Kirk Doyle **Session:** Semester 1, Semester 2 **Assessment:** 4 workshops of 2 hours, 2,500 word report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment. Note: only available to incoming Study Abroad students*

**Associated degrees:** UG Study Abroad Program.

This unit is based around a project report arising from issues encountered during a 20 day Internship Program and through a professional development program designed to provide students with the resources to enhance their intern experience. Students are required to attend 4 workshops which cover Australian business culture, management styles, cross cultural business communication

and reflective learning. An interactive approach will be used in the workshops to enable students to draw on their own experiences.

#### ARTS2801

##### Arts Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

#### ARTS2802

##### Arts Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

#### ARTS2803

##### Arts Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

#### ARTS2804

##### Arts Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

#### ASLT2601

##### Australian Literature 1920-1960 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr P Kirkpatrick **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points **Prohibitions:** ASLT2001 **Assessment:** One 1500 word mid-semester essay (30%) and one 3000 word end-of-semester take-home exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit aims to introduce some of the key writers of this period. It will also encourage students to develop reading skills appropriate to different genres and to acquire an awareness of the issues, movements and critical debates that were central to the development of Australian literature.

##### Textbooks

Herbert X. Capricornia. Angus & Robertson  
Prichard K.S. Coonardoo. Angus & Robertson  
White P. Voss. Vintage  
Resource book, containing poetry and other literary texts from the period.

#### ASLT2602

##### Australian Literature 1960-1988 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr B Brennan **Session:** Semester 2, Summer Main **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points **Prohibitions:** ASLT2002 **Assessment:** One 1500 word essay (mid-semester, 30%), one 3000 word take-home exam (end-of-semester, 70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

This unit of study aims to introduce some of the key writers of this period. It will also encourage students to develop reading skills

appropriate to different genres and to acquire an awareness of issues, movements and critical debates that have been central to the development of recent Australian literature.

#### Textbooks

Anderson, J. *Tirra Lirra by the River*  
 Hazzard S. *The Transit of Venus*. Viking  
 Mudrooroo, *Wildcat Falling*. Angus & Robertson  
 Stow R. *Tourmaline*. UQP  
 White P. *The Solid Mandala*. Vintage  
 Course Reader will include short stories from Moorhouse, Carey, Garner as well as the poetry that will be covered in this unit of study.

### ASLT2605

#### Reorientations in Australian Literature

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** A/Prof D Brooks **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points **Prohibitions:** ASLT2005 **Assessment:** One 1500 word mid-semester essay (30%), one 4000 word end-of-semester take-home exam (60%) and one tutorial presentation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Through a reading of Australian fiction, film and poetry, this unit examines the nature, place and function of China, Southeast Asia and the South Pacific in the Australian literary imagination. Its intention is at once to give students a broad acquaintance with such works and an introduction to the poetics of trans-cultural perception which those works wittingly or unwittingly manifest.

#### Textbooks

Castro, B. *Shanghai Dancing*. Giramondo  
 Drewe R. *A Cry in the Jungle Bar*. Picador  
 Koch C.J. *The Year of Living Dangerously*. Grafton  
 Jones, R. *Julia Paradise*. Penguin  
 Yu, O. *Eastern Slope Chronicle*. Brandl  
 [Additional works to be advised]  
 Resource book.

### ASLT2619

#### Australian Gothic

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr P Kirkpatrick **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 junior credit points **Assessment:** One 1500 word essay, one oral presentation, 5-10 minutes, with 500 word written summary and one 2000 word take-home examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program.

From the earliest days of European colonisation, alongside visions of its promise Australia has also been seen as the worst of all possible worlds, a hellish place of exile where nature seemed uncannily strange or hostile. The 'gothic' has offered a powerful means representing this dystopian theme. This unit examines the gothic mode in Australian literature and film from the nineteenth century to the present, taking in such issues as 'Weird Melancholy', ghosts, bunyips, badlands and postcolonial (dis)enchantment.

#### Textbooks

Marcus Clarke, *For the Term of His Natural Life*, any complete edition.  
 Ken Gelder and Rachel Weaver (eds), *The Anthology of Australian Colonial Gothic Fiction*, Melbourne University Press.  
 Ross Gibson, *Seven Versions of an Australian Badland*, University of Queensland Press.  
 The Proposition, Dir. John Hillcoat.  
 Wolf Creek, Dir. Greg McLean.  
 Resource book of poetry and other texts.

### ASLT3601

#### Australian Literature Research Methods

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof R Dixon **Session:** Semester 2 **Classes:** One 2 hour seminar per week **Prerequisites:** 12 senior credit points

in Australian Literature with credit average **Prohibitions:** ASLT3901, ENGL3964 **Assessment:** Two 1500 word assignments and one 3000 word journal-style essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

This seminar aims to prepare students for the Honours year in Australian Literature through a study of current issues and approaches in research and criticism.

#### Textbooks

Williams & Abbott. *Introduction to Bibliographical & Textual Studies (MLA)*.  
 Slade. *Form and Style* (Houghton Mifflin).  
 Resource book available from the Copy Centre.

### ASLT3602

#### Australian Literature Research Issues

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof R Dixon **Session:** Semester 1 **Classes:** One 2 hour seminar per week **Prerequisites:** 12 senior credit points in Australian Literature with Credit average and ASLT3601 **Prohibitions:** ASLT3902, ENGL3962 **Assessment:** One 2000 word assignment and one 4000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

This seminar aims to prepare students for the Honours year in Australian Literature through a study of current issues and approaches in research and criticism.

#### Textbooks

Norton Anthology of Theory and Criticism. ed. Leitch & others.  
 Resource book available from the Copy Centre.

### ASLT4011

#### Australian Literature Honours A

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr H Griffiths **Session:** Semester 1, Semester 2 **Classes:** Students will take four semester units of study. In addition to the Australian Literature Semester Options, students may also choose up to two semester units of study from those offered for the MA program or for English IV. **Prerequisites:** Credit or above in 48 senior credit points in Australian Literature including ASLT3601 (or ASLT3901) and ASLT3602 (or ASLT3902) (may include up to 18 senior credit points of English and/or Australian Studies) **Assessment:** All students will submit a long essay on a topic to be approved. Essays are 15000 words in length. Each semester option is assessed by a 4000 word essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

#### Australian Poetry and the Symbolistes

Assoc. Prof. D Brooks. Semester: 1. **Classes:** One 2 hour seminar per week.

A study of some of the great French and German poems of the late nineteenth century (in translation) and their key role in the development of Australian poetry from 1900 to the present.

Texts:

A reader of essential poems and background texts will be distributed in class. These will be drawn largely from the following recommended background readings:

Poe E A. *The Fall of the House of Usher and Other Writings*. (Penguin)  
 Baudelaire C. *Selected Poems*, trans. Joanna Richardson. (Penguin Classics).  
 Rimbaud A. *Complete Works*, trans. Paul Schmidt. (Picador Classics, or equivalent)  
 Mallarmé S. *Selected Poetry and Prose*, ed. Mary Ann Caws. (New Directions)

Rilke R M. *Selected Poems*, trans. Leishman. (Penguin, or equivalent)

Brennan C. *Poems 1913*, ed. Adamson. (HarperCollins)

McAuley J. *Poetry, essays and personal commentary*, ed. Kramer. (UQP)

Hope A.D. *Selected Poetry and Prose*, ed. Brooks. (Halstead Press).

Wright J. Collected Poems. (HarperCollins)

Tranter J. Selected Poems. (Hale & Iremonger)

Adamson R. Selected Poems. (UQP)

Undisciplined Histories

Prof. Robert Dixon. Semester: 1. Classes: One 2 hour seminar per week.

This seminar examines a range of true fictions about the past that circulate in the public domain as literature. Students will read a diverse array of historical fictions in the light of ideas drawn from theorists of literature and historiography. In what ways have historians deployed literary devices? How have literary authors shaped the novel both as a genre of public history and as a form of historiographic metafiction? What is gained and/or lost by packaging and disseminating history as fiction? What can be learned by using literary theory and textual analysis to understand the dynamics of scholarly historical narrative? And finally, how have literary authors and their critics become entangled in Australia's on-going history wars.

Texts:

To be announced

Classic Australian Literature

Prof Robert Dixon. Semester: 2. Classes: One 2 hour seminar per week.

This seminar examines a range of Australian novels that have achieved the status of 'classics'. It will examine the background of historical debates about the emergence of a distinctive Australian literature, the emergence of the 'Great Australian Novel', and arguments about literary canons. It will develop techniques of close reading while also attending to the wider social contexts of reception and reputation-making both nationally and internationally.

Texts:

To be announced

Australian Postmodernism

Dr Bernadette Brennan. Semester: 2. Classes: One 2 hour seminar per week.

This seminar examines a range of Australian texts in the light of postmodern theory and questions. Among the issues to be explored are: unwriting meta-narratives; writing and/as re-writing; the death of the author/birth of the reader; alliances of textuality, truth and power; discursive (de)constructions of the subject; relations between postmodernism and modernism and between the postmodern and the postcolonial.

Texts:

Carey P. My Life as a Fake. (Random House)

Castro B. Shanghai Dancing. (Giramondo)

Jones G. Black Mirror. (Picador)

Lilley K. Versary. (Salt)

Porter D. The Monkey's Mask. (Hyland House).

Tsiolkas, C. Dead Europe. (Random House)

Turner Hospital, J. Due Preparations for the Plague. (Fourth Estate)

The seminar will also include work by: J S Harry, Kevin Hart, Michael Brennan and 'Ern Malley' and essays by Nietzsche, de Mann, Lejeune, Castro, Derrida and Eagleton. All of these works will be distributed in class.

## ASLT4012

### Australian Literature Honours B

#### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ASLT4011  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Refer to ASLT4011

## ASLT4013

### Australian Literature Honours C

#### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ASLT4012  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Refer to ASLT4011

## ASLT4014

### Australian Literature Honours D

#### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ASLT4013  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Refer to ASLT4011

## ASNS1101

### Introduction to Chinese Civilisation

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof H. Dunstan **Session:** Semester 1 **Classes:** 2 lectures and 1 tutorial per week **Assessment:** Classwork (20%) and informal writing assignment(s), e.g., workbook (20%); two 1500-word essays (25% and 35%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: No prior knowledge is assumed. All teaching and all assigned readings are in English; however, a Chinese-language tutorial option may be provided.*

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program.

A broad-ranging, chronologically-arranged introduction to Chinese civilisation from prehistory to recent times. Readings will include representative philosophical, literary and religious works in English translation. Social science perspectives will be introduced through lectures/tutorial readings on social history, kinship structure, modern change, etc. This unit of study will provide a foundation for more advanced work in Chinese studies.

#### Textbooks

Cyril Birch, comp. Anthology of Chinese Literature. Vol. 1. New York: Grove Press, 1965

Anthology of readings available online and/or from the University Copy Centre  
Patricia Buckley Ebrey. The Cambridge Illustrated History of China. Cambridge: Cambridge University Press, 1996

## ASNS1601

### Asian Traditions: Past in the Present

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Pankaj Mohan **Session:** Semester 1 **Classes:** 2 hour lecture and 1 hour tutorial per week **Assessment:** 1500-word essay (40%), 2-hour exam (40%), 1000 word tutorial presentation and abstract (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program.

This unit introduces key features of ancient, imperial, and traditional Asian societies and cultures across different periods, down to the present. It lays the groundwork and provides a basis of comparison for students to understand the social transformations that these different Asian societies later underwent in modern times. Issues and themes may include: religion, ritual, and philosophical thought; sacred kings and capitals; hierarchy and social order; family, kinship and gender systems; art, architecture, and archaeology.

## ASNS1602

### Modernity in Asia

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Adrian Vickers **Session:** Semester 2 **Classes:** 3 hours per week **Assessment:** 1500-word essay (40%); 2-hour exam (40%); 1000 word tutorial presentation and abstract (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program.

Asia has undergone dramatic and rapid modernisation since the Eighteenth Century. Religious change, state-formation, political and social movements, gender and family, consumer culture, rural development, urban culture, and modern class structure are some of the cultural, social, economic and political aspects of Asia's social transformation. Through the study of selected Asian societies, this subject will examine some of these aspects in the contexts of colonialism, nationalism, postcolonial economic development, and globalisation.

### ASNS1801

#### Asian Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Arts.

### ASNS2612

#### Chinese Religions in Modernity

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Mayfair Yang **Session:** Semester 1 **Classes:** 2 hours per week, 1 hour tutorial **Prerequisites:** 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. **Assessment:** 3000-word research paper (40%), 2-hour exam (40%), 1000-word oral presentation abstract (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This unit examines the decline of traditional religious life and religious institutions in modern China and their current revival. Religious practices to be covered may include ancestor worship, Daoism, Confucianism, Chinese & Tibetan Buddhism, popular religion, geomancy, divination, Islam, and Christianity. Modern processes affecting Chinese religions include doctrines of social evolutionism and nationalism, secularization, state policies, anti-religious campaigns, commercialization, and globalization. We will also explore Chinese religion's connections with Taiwan, and their globalization in Asia and the world.

### ASNS2621

#### Buddhist Philosophy

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Allon **Session:** Semester 2, Summer Late **Classes:** 3 hours per week **Prerequisites:** 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. **Prohibitions:** ASNS2313 **Assessment:** 3000 word essay, 1200-1500 word tutorial paper. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B Int S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

This unit will approach the core ideas of Buddhism on suffering, impermanence, non-self and interdependence in a systematic fashion and explore the implications for the Buddhist understanding of ontology (theory of being) and epistemology (theory of knowledge). The connection between philosophical ideas and the Buddhist path will be explored in relation to ethics, meditation and the cultivation of insight and wisdom. The connections between Buddhist philosophy and modern and postmodern Western philosophy will also be explored.

### ASNS2623

#### India: Tradition and Modernity

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Allon **Session:** Semester 2 **Classes:** 2 hours of lectures and 1 hour tutorial per week **Prerequisites:** 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. **Assessment:** 3000 word essay, 1500 word tutorial paper. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This unit explores assumptions underpinning Indian thought and culture with specific reference to Indian religious traditions. In particular, traditional notions of the individual, authenticity, and the concept of dharma will be addressed through an exploration of social and political structures, gender and the family, and forms of artistic, literary and religious expression. A key focus will be on the continuity of tradition and its interaction with modernity and the implications this has for understanding today's India.

### ASNS2625

#### Buddhism in Modern Asia

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Allon **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. **Assessment:** 3000-word essay, 1000-word tutorial paper and presentation, tutorial participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B Int S, Dip Arts, UG Study Abroad Program.

This unit explores the diversity and continued dynamism of Buddhism in modern Asia. The focus of the unit is social, cultural and political with an emphasis on the way Buddhism is influencing Asian societies and is, in turn, influenced by them. Buddhism's encounter with modernity and its role in the nation state, in lay and environmental movements and its influence on social and political discourses and practices will be examined.

### ASNS2632

#### Modern Japanese Social History

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Elise Tipton **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. **Prohibitions:** ASNS2308 **Assessment:** Class presentation (20%), 1500 word essay (30%), 1.5 hour semester exam (30%), test (10%), continuous assessment, including class participation and writing tasks (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This unit of study will begin with examination of social aspects of the Meiji reforms, evaluating interpretations of their aims and effects. The focus will then turn to the emergence of new social forces in the twentieth century, including industrial workers, an urban middle class and a women's movement. We will also explore changes in daily life and attitudes to work and leisure as urbanisation and industrialisation progressed and assess the effects of the Second World War and the Occupation.

### ASNS2634

#### Samurai and Merchants: Tokugawa Japan

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Olivier Ansart **Session:** Semester 2 **Classes:** 2 hours of lectures, 1 hour tutorial per week **Prerequisites:** 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. **Prohibitions:** ASNS2304 **Assessment:** Attendance and participation in tutorials (15%), tutorial writing tasks and essays (equivalent to 2500 words, 45%), 2 hour final exam (equivalent to 2000 words, 40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

Tokugawa Japan (1603-1868) had a complex feudal structure articulated around the shogun, the feudal lords and their samurai retainers. It also had huge cities, birthplaces of some of the first modern ways of life. The tensions between the feudal framework and

the embryonic modernity of Tokugawa society make a fascinating case study in the non-Western world of what is to be modern. To do so, we shall follow a cross disciplinary approach: history, politics, sociology, economy, religion, arts and literature.

*Textbooks*

Course reader available from the University Copy Centre.

### ASNS2642

#### Modern Korea

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Pankaj Mohan **Session:** Semester 2 **Classes:** 2 hour lecture and 1 hour tutorial per week **Prerequisites:** 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. **Prohibitions:** ASNS2502 **Assessment:** Attendance and contribution to tutorial discussions (20%), 2500 word essay (40%), 2 hour final exam (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This unit aims to introduce some of the major issues in the history of Korea in the late 19th century and the last century. Topics include contradictions of the late Choson dynasty society; opening of Korea to the West and Japan and the attendant wave of reforms and rebellions; Japans colonial rule; Korea's fight for freedom; liberation and division of Korea in 1945 and the subsequent process of nation-building in the two Koreas.

### ASNS2651

#### Asian Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### ASNS2652

#### Asian Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### ASNS2653

#### Asian Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### ASNS2654

#### Asian Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### ASNS2655

#### Asian Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### ASNS2656

#### Asian Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### ASNS2661

#### History of Modern Indonesia

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Adrian Vickers **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. **Prohibitions:** INMS2901, ASNS2401 **Assessment:** 2000 word essay (45%), 2-hour exam (equivalent to 2000 words, 45%), class participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

This unit examines the history of Indonesia, the world's fourth most populous country, emphasizing the interaction between Islam, nationalism and democracy. The unit traces these forces impact on the formation of modern Indonesia from the late nineteenth century, highlighting the experience and legacy of colonialism, the independence struggle, and the rise and fall of military rule. Particular attention is given to changing notions of national identity, debates about the place of Islam in the polity and authoritarianism and democratisation.

### ASNS2662

#### Southeast Asian Dictators & Democracies

##### Arts

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** 12 Junior credit points in Asian Studies, History, Economic History, Government and International Relations, Sociology, Anthropology or an Asian Language or departmental permission. **Prohibitions:** ASNS2414, ASNS2416 **Assessment:** 2 hour exam (45%), 2000 word essay (45%), class participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This unit examines post-World War II Indonesia, Thailand, Malaysia, Singapore, Burma and the Philippines. It focuses on the emergence of varied forms of authoritarian and semi-authoritarian rule from the 1950s, and, from the 1980s, growing pressures for more democratic government. We will investigate a range of approaches for studying authoritarianism and democratisation in the region, including those which emphasise political culture and tradition, economic growth and crisis, political elites, class conflict, civil society and globalisation.

### ASNS2663

#### Social Activism in Southeast Asia

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1 **Classes:** 2 lectures and 1 tutorial per week **Prerequisites:** 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. **Assessment:** Class participation (20%), 1 hour in-class test (equivalent to 1000 words, 20%), essay portfolio (equivalent to 1000 words, 15%), 2500 word essay (45%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This unit examines country-specific and transnational social movements in Southeast Asia, including those focused on labour,

women, the environment and identity. During the semester we will explore how these movements emerged, what they have sought to achieve, and how successful they have been in promoting social change in the Southeast Asian region. The unit adopts a multi-disciplinary approach based on contemporary case study material from Indonesia, Malaysia, Thailand, the Philippines and Singapore, with a particular focus on Indonesia.

### ASNS2664

#### Southeast Asia Transformed Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Adrian Vickers **Session:** Semester 2 **Classes:** 1 hour lecture, 1 hour tutorial and 1 hour mixed tutorial/online learning per week. **Prerequisites:** 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. **Assessment:** A research report (45%) (consisting of in-class presentation equivalent to 1000 words, 15% and 2000 word write-up, 30%), 2000 word essay (45%), class participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Social change in Southeast Asia involves shifts in relations of production and consumption. This unit examines these shifts first through tracing the colonial origins of present-day relations of production, and then through assessing the changes in social life since the 1950s. Important features of these changes include the decline of agriculture, the growth of new kinds of industry such as clothing production and tourism, and new patterns of consumption generated by the rise of middle-class lifestyles in the region.

### ASNS2670

#### Mass Media in East Asia Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Ki-Sung Kwak **Session:** Semester 1, Summer Main **Classes:** 3 hours per week **Prerequisites:** 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. **Prohibitions:** KRNS2600, ASNS2600 **Assessment:** 1000 word tutorial paper, 1500 word essay, final exam (equivalent to 2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

This unit introduces students to the media industry and policies in selected countries in East Asia, namely Japan, Hong Kong, South Korea and Taiwan. In addressing the topics, the main features of media in the region are discussed and compared. The unit will be multi-disciplinary, covering various aspects of mass media in the region. These include social and cultural role of the media, political and economic justification of state control, and implications of the emergence of new communication technologies.

### ASNS2672

#### Japan in East Asia from 1840 until Today Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Lionel Babicz **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. **Assessment:** Two in class quizzes, (equivalent to 500 words each), 2-hour exam, group presentation (equivalent to 500 words), group essay (1000-words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This unit inserts the modern and contemporary history of Japan inside its East Asian context. We will examine a dozen key events and subjects pertaining to the relations between Japan, China and Korea, from the 1840 Opium War until today. Doing so, we will touch many sensitive and controversial topics, become aware of the differing historical consciousness prevalent in these three countries, and understand why the historical question constitutes a major political issue in East Asia.

### ASNS2676

#### Gender in Modern Asia Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Mayfair Yang **Session:** Semester 2, Summer Early **Classes:** 2 hour lecture and 1 hour tutorial per week **Prerequisites:** 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. **Assessment:** Mid-semester exam consisting of short identification questions, approximately 750 words (20%), 2 hour final exam (40%), tutorial performance (10%), 1750 word essay (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

This unit of study examines changes in gender relations and gender construction in modern and contemporary Asian societies - China, Japan, South Korea, India, Singapore, and Taiwan. Major issues include: changes in the family; the role of the state in shaping gender (family and population policies, women's employment programs etc.); popular culture and mass media images of femininity, masculinity, and sexuality; the gendered construction of Asian nationalisms; gendered division of labour and economy; gay cultures; and the commoditisation of sex.

### ASNS3617

#### Citizens and Politics in China Today Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr David Bray **Session:** Semester 2 **Classes:** 2 lectures and 1 tutorial per week **Prerequisites:** 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. **Assessment:** Classwork (15%); 2500-word essay (35%); 1000-word writing assignment (15%); oral presentation (15%); 1-hour test 20%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit will be taught in English, but a Chinese-language tutorial option may be provided. This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

In China, ideas like 'citizenship', 'rights', and 'community', have come into widespread use over recent years. This unit will explore the way in which these terms are conceptualised and practiced within the People's Republic of China. Using texts (from government documents to popular media) and case studies from different parts of mainland China, this unit will provide a framework for understanding the interplay of social, cultural and political forces that are transforming techniques of local governance in China.

#### Textbooks

Anthology of readings available online and/or from the University Copy Centre. Chinese-language reading options will also be available.

### ASNS3618

#### Popular China Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Yiyang Wang **Session:** Semester 2 **Classes:** 2 hours of lectures and one 1-hour tutorial per week. (A separate 1-hour tutorial option for students who have advanced Chinese language skills may be provided.) **Prerequisites:** 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. **Assessment:** Classwork (20%); 2500 word essay (40%); oral presentation based on work for essay (10%); other writing assignment (e.g. portfolio with essay, total of 2000 words, 30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program.

This unit of study introduces students to popular culture in mainland China, Hong Kong, Taiwan and the Chinese diaspora. From film to television, from music to theatre, from print media to internet and from popular literature to visual arts, this unit explores popular Chinese culture as it is generated in Chinese societies and lived by Chinese people. It will cover a range of critical and theoretical perspectives to analyse these phenomena.

### ASNS3619

#### China and Globalisation

## Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr David Bray **Session:** Semester 1  
**Classes:** 2 lectures and 1 tutorial per week; students may attend either an English-language or a Chinese-language tutorial **Prerequisites:** 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. **Assessment:** Classwork (20%); 1-hour test (20%); 1000 word essay or equivalent writing assignment (20%); 2500 word essay (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B Int S, Dip Lang Stud, UG Study Abroad Program.

On the brink of disaster in 1989, China has since become a political and economic power in the world. This unit of study examines the impact of globalisation on China with respect to the multilateral movements of ideas, capital and people. It will explore recent political, economic and social change in China, focusing on responses to China's expanded engagement with the outside world. Due attention will be paid to China's changing relations with its Asian neighbours and with Western countries.

## ASNS3690

### Approaches to Research in Asian Studies Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Olivier Ansart and others **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** Credit average or above in a minimum of 30 senior credit points of Asian studies or Asian language. **Prohibitions:** ASNS3902, JPNS3902, CHNS3902, INMS3902 **Assessment:** Classwork (20%), 3000 word research proposal (40%), bibliographical exercise (equivalent to 1000 words, 10%), presentation based on draft proposal (10%) and critical reviews or other written assignments (2000 words, 20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

This unit gives students the opportunity to undertake broad background reading in preparation for the honours thesis. The unit trains students to discuss published work exemplifying a range of approaches to humanistic and/or social scientific research. It thus provides models on which students can draw in creating their own research proposal.

*Textbooks*

Course reader available from the University Copy Centre.

## ASNS4011

### Asian Studies Honours A Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** A major in Asian Studies or in an Asian language; ASNS3690; 48 senior credit points; credit average in all qualifying units of study. Please contact the Asian Studies Program Director for any problem in the prerequisites. **Assessment:** Coursework (50%), 15000-20000 word thesis (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B Int S (Hons), Dip Arts(Hons).

The honours fourth year program consists of three seminars - the coursework - and a 15000 - 20000 word thesis weighted at 50 per cent of the final result. As with the undergraduate Asian Studies major, all units and the thesis will be in English. However, we encourage students with Asian-language proficiency to utilise sources in that language for their thesis research.

Students will enroll in ASNS4011, 4012, 4013 and 4014. Those however are merely generic codes: for their coursework component, students should take three from the following pool of subjects, whose availability will vary from year to year:

ASNS6903 Theory and Method in Asian Studies (sem 2)

ASNS6904 Human Rights in Asia (sem 1)

ASNS6905 Asian Popular Culture (sem 1)

ASNS6900 Contemporary Asian Societies (sem 1)

ASNS6976 Buddhism and the State in North Asia (sem 1)

ASNS6901 Japan in the Western Imagination (sem 2)

ASNS6938 The Chinese City from Text to Screen (sem 2)

CHNS5982 Approaches to Research on Modern China (sem 1)

CHNS6966 Society and State in China 1368-1911 (sem 2)

CHNS6975 Society and Individual in Post-Mao China (sem 2)

JPNS6909 The Underside of Modern Japan (sem 1)

Students may cross-list up to two for the three coursework components from units of study offered in other departments and faculties. They should check the availability of those units with the different departments. In any case they should consult with the Honours Coordinator before deciding the units taken as coursework.

## ASNS4012

### Asian Studies Honours B Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ASNS4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B Int S (Hons), Dip Arts(Hons).

See ASNS4011

## ASNS4013

### Asian Studies Honours C Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ASNS4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B Int S (Hons), Dip Arts(Hons).

See ASNS4011

## ASNS4014

### Asian Studies Honours D Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ASNS4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B Int S (Hons), Dip Arts(Hons).

See ASNS4011

## ASSN3001

### Advanced Clinical Nursing Assessment Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 1 **Classes:** lectures/tutorials, online **Assessment:** health history, patient assessment essay, clinical journal and reflective essay, webct participation **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** B N.

This unit of study focuses on the advanced clinical abilities required for nursing assessment of patients, families and communities in the 21st century. Students will learn how to assess a patient's condition, physically and mentally, and to make insightful nursing observation that can inform practice. At the community level, and in the wider socio-economic context, students will study emerging patterns of disease.

## ASSN3002

### Health Illness & Care: Int'l Perspective Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 2 **Classes:** lecturers/tutorials, online **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** B N.

This unit critically analyses international concepts of health, illness, and care. It investigates the ways in which historical forces have shaped ideas and beliefs about health and illness. The unit also examines the structure of contemporary societies, emphasising the



relationship between social structures, cultural factors, and the distribution of health and illness. In particular it examines the effects of social inequalities on the health of vulnerable, at-risk, and marginalised groups.

### ASSN3003

#### Clinical and Patient Education Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 1 **Classes:** lectures/tutorials, online **Assessment:** essays and exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** B N.

The field of clinical and patient education is explored in the context of the practice professions and continuing changes in technologies, information and evidence bases for practice. The unit involves a study of the literature on the nature of learned and performed skills, what factors affect changing understandings, beliefs, dogma and practices (s) in clinical settings and subsequently clinical and patient education. The unit is interdisciplinary in approach and has a fieldwork/practice component.

### ASSN3004

#### Minor Thesis/Practice Project Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 2 **Classes:** lectures/tutorials, online **Prerequisites:** 24 unspecified credit points **Assessment:** 1x5000wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** B N.

Students undertake advanced work on an area of practice, or a particular practice, in nursing. The project will involve three stages: first, conducting a review of the available research literature; second, examining other forms of evidence, such as written policies and protocols or actual practices; and third, composing a written report on the ways in which practice can be enhanced and/or further investigated by original research. This project will be highly suited to currently practising nurses whose professional responsibilities and interests include clinical leadership, management of a clinical service or practice development and/or the use of evidence in practice.

### ASSN3005

#### Nursing Management & Clinical Governance Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 2 **Classes:** lectures/tutorials, online **Assessment:** assignments, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** B N.

This course provides a forum for experienced practitioners to enhance their skills and knowledge of nursing management and clinical governance and to develop a framework for their implementation. The structure of the course will enable participants to explore and critique issues surrounding clinical governance in the context of care provision, organisational climate and culture, quality, clinical and professional leadership and financial responsibility. This course utilises a better practice (continuum of care / quality / cost / utilisation and health outcomes) framework.

### ASSN3006

#### Current Issues in Nursing Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 1 **Classes:** lectures/tutorials, online **Assessment:** essay, presentation and exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** B N.

This unit encourages critical reflection on the context within which nursing operates, from a local, national, and international perspective. Students evaluate and analyse the influence of social, political, educational change, scientific and technological advances, and legal, professional, and ethical/moral guidelines on their nursing practice.

This unit has a dynamic focus so that issues affecting nursing globally and within regions and countries.

### ASSN3007

#### Inquiry and Research in Nursing Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 2 **Classes:** lectures/tutorials, online **Assessment:** research proposal, and exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** B N.

This unit of study builds on the tenet throughout the course that research is integral to all aspects of nursing theory, education, application and practice. Nursing (and midwifery) research will be the focus of examination and critique. A critical analysis of various modes of inquiry will be used to investigate aspects of nursing practice and relevant nursing issues. A variety of perspectives, methodologies and methods that constitute modes of inquiry will be included. This unit will assist students to develop research knowledge and prepare them for future research activities. Opportunities will be provided to experience the inquiry process with reference to clinically related situations or to areas that have an implication for nurses (and midwives) and their practice.

### ASSN3009

#### Nursing, Knowledge and Practice Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 1 **Classes:** lectures/tutorials, online **Assessment:** essay and exam **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** B N.

This unit of study examines the historical background to, and current debates surrounding, how nurses have established their knowledge and practice. In addition to examining the historical records in relation to nursing as a discrete area of knowledge and practice in health care, this unit of study analyses and critiques current trends, ethical considerations, and discourses in nursing and how they impact on understandings of the nature of nursing knowledge and contemporary practice(s).

### ASTR2601

#### Australia: Land and Nation Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr B Rooney **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points **Prohibitions:** ASTR2001 **Assessment:** One 1000 word essay (25%), one oral presentation with a 1000 word oral report (25%), one 2000 word take-home exam (40%) and class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: May be cross listed to a major in Australian Literature. This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

A study of some of the interactions between two major meanings of the term 'Australia':

- 1) the name now given to a large island in the South Pacific and
- 2) a nation which came into being on 1 January 1901. Three major themes will be followed:
  1. Naming and representing land by Indigenous people and early European settlers.
  2. Changing European perceptions of the Australian environment and landscape.
  3. Changing debates about nation from 1901 to the present.

#### Textbooks

A course reader containing essential reading and information will be available for purchase from the Copy Centre.

Some Recommended Background Readings:

Elizabeth Webby (ed), *Colonial voices: letters, diaries, journalism and other accounts of nineteenth century Australia* (St. Lucia: University of Queensland Press, 1989).

Richard Broome, *Aboriginal Australians: Black Responses to White Dominance 1788-1994*. 3rd Ed (St Leonards, NSW: Allen & Unwin, 2002).  
 Heather Goodall, *Invasion to embassy: land in Aboriginal politics in New South Wales, 1770-1972* (St. Leonards NSW: Allen & Unwin/Black Books, 1996), Especially introduction and chapter 1.  
 Richard Waterhouse, *The Vision Splendid: a social and cultural history of rural Australia* (Fremantle, WA: Curtin University Books, 2005)

## AVBS1002

### Concepts of Animal Management

#### Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Mrs Irene Van Ekris **Session:** Semester 2 **Classes:** 6 hrs/week (lectures and practicals) **Prerequisites:** 6 credit points of junior Biology **Assessment:** practical class testing (20%), written assignments (20%), 90 min exam (60%) **Practical field work:** There will be several whole day practical classes at the Camden campus **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Sc Agr.

This unit will explore the management of animals in natural and man-made environments. At the end of this unit of study, student will understand: The characteristics of the management systems of the major domestic species used for production in Australia and in a world wide context; the characteristics and principles underpinning sustainable management of native animals in natural and man-made environments; an appreciation of the dependence of living organisms upon their environment; an appreciation of the husbandry practices and innovations that have been adopted by the production industries to retain their competitive advantage; a demonstrated capability in handling and husbandry of the major domestic production animal species, and an appreciation of the application of these skills to non-domestic species; a demonstrated understanding of the importance of high standards of animal welfare practice in the management of animals.

#### Textbooks

There is no single text that adequately covers the unit content and for this reason no formal text is required. Where appropriate, relevant reference material will be identified for specific area of the course.

## AVBS2001

### Introductory Veterinary Pathogenesis

#### Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Damien Higgins **Session:** Semester 2 **Classes:** 6 hrs/week (lectures and practicals) **Prerequisites:** BIOL1001 and BIOL1002 and (CHEM1101 or CHEM1001) and (CHEM1102 or CHEM1002) and ANSC3103 **Corequisites:** ANSC3104 **Assessment:** Prac class quizzes (10%), mid-semester quiz (15%), essay (15%), practical exam (15%), written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc.

The overarching theme for this unit of study is the concept of the interaction between the host (or the animal), the agent of disease (genetics, physical, chemical and infectious agents) and environmental factors. In disease states, the host responds to the aetiological agent of disease and the environment through one of the basic five pathological processes that occur in tissues. These include inflammation and repair, degeneration and necrosis, circulatory disturbances, tissue deposits and pigments, and disorders of growth. A case based approach will be used whenever possible to illustrate these principles and enable the student to develop a problem solving approach and the skills of critical thinking.

#### Textbooks

McGavin, MD & Zachary JF 2007, *Pathologic Basis of Disease* 4th ed., Mosby

## AVBS3000

### Professional Development

#### Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Russell Bush **Session:** Semester 1, Semester 2 **Classes:** 5 preparatory workshops, seminars (throughout years 1-3) **Assessment:** professional development reports (60%), case studies (20%), current animal issues (20%) **Practical field work:** 60 days of work experience including a faculty field trip to be completed throughout the degree program **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc.

Students are required to undertake professional development in University vacations as an integral and essential part of their overall training in the degree of Bachelor of Animal and Veterinary Bioscience. Students will complete 60 days of work experience throughout their program, including a minimum of 20 days spent on commercial animal production enterprises and one faculty professional development field trip. Students will visit at least three different farming enterprises in the major and emerging animal production industries. The remaining 40 days will include at least one placement with an animal-related business or service provider, and experience in either a scientific research organisation or short scientific volunteer position. Students will undertake additional placements at relevant animal or animal-related businesses, farms or organisations as required to complete 60 days. A professional consultant-style report must be submitted after each placement. Seminars to promote awareness of career options and current issues in animal science will be provided on a regular basis by past graduates and other professionals working in the animal industries. Students are encouraged to attend as many of these as possible throughout their degree program, and are required to submit four case studies based on material presented in these seminars. Attendance at seminars is compulsory during third year. Students will also submit an essay on a current issue in the animal science area of their choice.

#### Textbooks

On-line resource material will be available

## AVBS3501

### Animal-Veterinary Bioscience Exchange 1

#### Veterinary Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B An Vet Bio Sc.

## AVBS3502

### Animal-Veterinary Bioscience Exchange 2

#### Veterinary Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B An Vet Bio Sc.

## AVBS3503

### Animal-Veterinary Bioscience Exchange 3

#### Veterinary Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B An Vet Bio Sc.

## AVBS3504

### Animal-Veterinary Bioscience Exchange 4

#### Veterinary Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B An Vet Bio Sc.

## AVBS3505

### Animal-Veterinary Bioscience Exchange 5

#### Veterinary Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B An Vet Bio Sc.

## AVBS3506

### Animal-Veterinary Bioscience Exchange 6

**Veterinary Science**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B An Vet Bio Sc.

**AVBS3507****Animal-Veterinary Bioscience Exchange 7****Veterinary Science**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B An Vet Bio Sc.

**AVBS3508****Animal-Veterinary Bioscience Exchange 8****Veterinary Science**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B An Vet Bio Sc.

**AVBS4001****Animal Health and Disease****Veterinary Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Wendy Muir **Session:** Semester 1 **Classes:** 3.5 hrs/wk lectures, 0.5 hr/wk tutorials, 2 hrs/wk practical (on average) **Prerequisites:** ANSC3104, (Animal and Veterinary Bioscience years 1-3 OR Bachelor of Science in Agriculture years 1-3) **Assessment:** participation in field trips (10%), oral presentations (15%), assignments (15%), 2 hr exam (60%) **Practical field work:** 2 day field trip to Arthursleigh farm **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Sc Agr.

This Unit of Study describes the major constituents of the immune system and how they interact to protect animals from infection. Some major microbial, viral and parasitic infections of commercial consequence to animal production are detailed as well as the range of management and interventional strategies that are currently in use to minimize their impact.

After completing this Unit of Study, students will demonstrate an understanding of: The principles of animal management that are implemented to optimize health and to reduce the incidence and severity of disease; the fundamental principles of disease in animal populations; the functional components of the immune system and how they interact to minimise the impact of micro-organisms on animal production; specific infectious diseases of consequence for growth, reproduction and for the production of meat, wool, milk and eggs; approaches to their control and prevention through environmental and nutritional management, and interventional techniques such as vaccination programmes; management and interventional strategies to minimize the impact of pathogen infection on the efficiency of commercial animal production; the broad principles in managing the health of wildlife animals.

**Textbooks**

Students are advised to consult lecturers for recommended texts

**AVBS4002****Dairy Production and Technology****Veterinary Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Yani Garcia **Session:** Semester 2 **Classes:** lectures 2 hrs/wk, practicals 3 hrs/wk **Prerequisites:** ANSC3101, (Animal and Veterinary Bioscience years 1-3 OR Bachelor of Science (Agriculture) years 1-3) **Assumed knowledge:** Enrolled students are expected to have some understanding of key components of the dairy production system, including basic knowledge of animal physiology and nutrition. **Assessment:** Whole farm professional report (30%), pracs assessments, (20%), 2 hr exam (50%) **Practical field work:** Two or three visits to commercial dairy farms in NSW **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Sc Agr.

This unit will explore the various aspects of dairy farming and the dairy industry from a scientific point of view. The lectures are a mix of the principles on which sound dairy farming is based and practical example of how this operates in practice. The course is not meant to provide a set of methods on dairying to be used as recommendations. Instead, focus is placed on integrating knowledge to gain understanding on the system of production as a whole.

At the end of this unit of study, students will demonstrate a solid understanding of: the characteristics of the dairy industry in Australia and in a world wide context; the key components of pasture-based dairy systems; principles and practices of pasture and feeding management; the application of new technologies to improve efficiency and productivity, (particularly automatic milking).

In addition, students will demonstrate an appreciation of key aspects of reproduction and lactation physiology; the integration of knowledge of genetics and reproduction into the type of herd improvement structure set up in the dairy industry; the application of ruminant physiology knowledge to developing feeding programs for dairy cows; the extension of basic reproductive physiology onto the dairy farm using case studies as examples; the economics of the dairy farm business.

**Textbooks**

There is no single text that adequately covers the course content and for this reason no formal text is required. However, the following books can be used as basic bibliography for consultation during the course: Milk Production from Pasture (CWV Holmes et al 2002) Feeding the dairy cow (Chamberlain and Wilkinson 1996) Where appropriate, relevant reference material will be identified for specific areas of the course.

**AVBS4003****Wildlife and Evolutionary Genetics****Veterinary Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Jaime Gongora **Session:** Semester 2 **Classes:** variable consisting of up to 6hrs/week (students advised to consult weekly timetable) of lectures, tutorials and practical classes **Prerequisites:** Animal and Veterinary Bioscience years 1-3 OR Bachelor of Science (Agriculture) years 1-3 **Corequisites:** AVBS4001 or (BIOL3018 and BIOL3027) **Assessment:** written and oral assignment (30%), practical reports/class contribution (20%), final written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc.

This unit of study focuses on the role and animal and veterinary biosciences in the field of wildlife management. The unit encourages an approach that spans management, wildlife biology and laboratory sciences. In recognition of the power of genetics as a tool in wildlife management and research, a large component of this course reviews fundamental genetic principals and their application in the disciplines of molecular, evolutionary and conservation genetics and focuses on how we use genetic theory and knowledge to better understand and conserve our wildlife.

At the end of this unit of study, students will demonstrate an understanding of: Important issues in wildlife management in Australia and the Asia-Pacific region; project management as it applies to multifaceted wildlife research and management issues; application of a range of genetic and physiological methods to the study of ecological issues; the use of appropriate analytical methods and molecular markers in wildlife conservation and management; the underlying genetic structural design of the natural world and how this reflects and influences evolutionary processes in healthy and diseased populations; the use of molecular information to test hypotheses about evolutionary, ecological and social structure of species; how to critically review the ways in which genetic principals are applied to the management and conservation of species; the use of appropriate analytical methods and molecular markers in wildlife conservation and management; how to conduct an investigation into a management problem in wildlife including project design and management recommendations.

Students are expected to immerse themselves into the field of conservation, evolutionary genetics and wildlife to develop the ability to critically evaluate the subject. There will be a substantial amount of reading required for the course. There is no formal text; students

will be directed to a recommended reading list of both primary and secondary literature.

#### Textbooks

Primary reading material (Journals):

Conservation Genetics, Springer Science Publishing

Molecular Ecology, Blackwell Publishing

Heredity, Nature Publishing Group

Australian Journal of Zoology, CSIRO Publishing

Secondary reading materials:

Frankham, R, Ballou, JD & Briscoe, DA 2002, Introduction to Conservation Genetics, Cambridge University Press, Cambridge

Avise, JC 2000, Phylogeography, the history and formation of species, Harvard University Press

Hoelzel, AR 1988, Molecular genetic analysis of populations: a practical approach, 2nd edn, Oxford University Press

Hedrick, PW 2000, Genetics of populations, 2nd edn, Jones and Bartlett Publishers, Sudbury, Massachusetts

### AVBS4004

#### Food Safety Assessment and Management Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Gary Muscatello **Session:** Semester 2 **Classes:** lectures 3hrs/wk, tutorials/practicals 2hrs/wk **Prerequisites:** ANSC3101, ANSC3102, ANSC3103, Animal and Veterinary Bioscience years 1-3 **Corequisites:** AVBS4001 **Assessment:** 1000wd individual report (20%), 1000wd group assignment (25%), 2hr exam (50%), MCQ (5%) **Practical field work:** Field trips 16 hrs in total **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Sc Agr.

This Unit of Study focuses on the issues and practices in the animal industry relevant to food safety and zoonotic disease. This unit will cover general food safety issues, including risk assessment and hazard analysis of microbes and chemicals. Food-borne diseases of animal origin and their impact on public health will be explored through the examination of zoonotic diseases in scenario-based learning activities. In these processes diagnostic and strategic methods of investigating, controlling and preventing food-borne disease outbreaks will be explored. Students will be introduced to national and international animal and human health policy pertaining to food safety regulations and surveillance initiatives and strategies that underpin these policies. Students in this unit will be introduced to the issues regarding emerging food-borne pathogens and current industry driven topics. By the end of the unit, students should have global and local perspective on the major food-borne diseases, surveillance and control programs.

#### Textbooks

Torrence ME & Isaacson RE (eds) 2003, Microbial food safety in animal agriculture current topics, Iowa State Press, Ames, Iowa

D'Mello JPF (ed.) 2003, Food safety: contaminants and toxins, CABI Publishing, Wallingford

Palmer SR, Soulsby, E, Simpson, DIH (eds) 1998, Zoonoses: biology, clinical practice, and public health control, Oxford University Press, Oxford

Jay JM, Loessner MJ, Golden DA 2005, Modern Food Microbiology, 7th edn, Springer, New York

Colville J, Berryhill, D 2007, Handbook of Zoonoses: Identification and Prevention, Elsevier Mosby, St. Louis, MO USA

### AVBS4005

#### Feed Technology Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Russell Bush **Session:** Semester 1 **Classes:** lectures 3 hrs/wk **Prerequisites:** ANSC3101, (Animal and Veterinary Bioscience years 1-3 OR Bachelor of Science in Agriculture years 1-3) **Assessment:** poster (15%), oral presentation (10%), assignment (35%), two hour written exam (40%) **Practical field work:** Practicals/field work 3hrs/wk **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Sc Agr.

Feed accounts for approximately 70% of the input costs associated with animal industries, including both monogastric (poultry and pigs, laboratory animals) ruminants (feedlot cattle and sheep) and caecal fermenters (horses, rabbits). The "feed industry" is described as the largest supporting industry for animal agriculture and is a major employer of graduates (undergraduate and postgraduate). Feed manufacturing is a vital part in enabling our animal industry to add value to nutrient sources that are routinely not consumed by humans and are an integral part in improving the overall sustainability of

agriculture and food production. The course will provide in-depth understanding of the feed industry, our understanding of factors influencing ingredient variability and availability (physical and economical), methods and applications of processing of ingredients to increase nutrient intake, availability (digestibility), retention and reduce excretion. All facets of the production and regulation of feed production will be discussed relative to their importance in animal agriculture and food production.

#### Textbooks

There is no textbook for this unit of study. Students should refer to trade information (the library subscribes to several; several specific feed resource web-sites; equipment web-sites) and scientific journals as resources

### AVBS4008

#### Intensive Animal Industries Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Jeff Downing **Session:** Semester 2 **Classes:** Lectures 3 hrs/week, practicals 3 hrs/week **Prerequisites:** ANSC3101, ANSC3102, ANSC3103, (Animal and Veterinary Bioscience years 1-3) OR (Bachelor of Science in Agriculture years 1-3) **Prohibitions:** AVBS4006, AVBS4007 **Assessment:** Farm report and in course evaluations (25% pigs), participation and broiler growth study (25% poultry), written exam (50%: poultry and pigs 50:50) **Practical field work:** Visits to an intensive pig farm, feed mill and poultry production and processing units. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Sc Agr.

This unit of study is composed of two parts, a Poultry Production component and a Pig Production component. The course will provide students with a comprehensive overview of the production of eggs and poultry meat and pork. The individual components examine various aspects of the poultry and pig production systems important in maintaining efficiency and profitability. It investigates aspects of breeding, nutrition, housing, growth performance, health, welfare, reproductive capability, waste management, marketing and current industry issues. This unit will expand on some aspects of previous year 3 units of study in animal structure and function, nutrition and reproduction.

#### Textbooks

There is no single text that adequately covers in Australian pig industry and for this reason no formal text is required. There are many sites (industry, academic institutions and government departments) on the Web which provide excellent information. Links to these will be provided. Where appropriate, relevant reference material will be identified for specific areas of the course. Often poultry specific text books are obsolete very quickly, it would be important to learn to identify trade information (the library subscribes to breeder management guides and product expectations; equipment web-sites, etc) and scientific journals as resources.

### AVBS4009

#### Aquaculture Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Joy Becker **Session:** Semester 1 **Classes:** Lectures 2hrs/wk, tutorials 1hr/wk, practicals 3hrs/wk **Prerequisites:** ANSC3101, ANSC3102, ANSC3103, ANSC3104, ANSC3107, Animal and Veterinary Bioscience years 1-3 **Corequisites:** AVBS4001 **Assessment:** written and/or oral assignments (40%), written practical report (25%), exam 2 hrs (35%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Sc Agr.

The Unit of Study explores in detail aspects of commercial aquaculture, including global trends in aquaculture development. Other topics include water quality, feeding, management, health and disease, genetics and reproduction, environmental impact and economic constraints to production. The unit of study emphasises methods to improve aquacultural productivity. It builds on basic principles of anatomy, physiology, nutrition, genetics and health and disease presented in other units of study in BAnVetBioSc.

At the end of this Unit of Study, students will demonstrate an understanding of the principles of: the context of aquaculture in global food production; husbandry, management and welfare of aquaculture species; comparative aspects of husbandry in aquaria, domestic, commercial; health and disease relevant to aquaculture; nutrition of aquaculture species; reproduction and genetics of species in

aquaculture; water quality and environmental impact of aquaculture; economics and marketing of aquaculture products.

## AVBS4012

### Extensive Animal Industries Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Russell Bush **Session:** Semester 1 **Classes:** Lectures 2hrs/wk, tutorials 1hr/wk, Practicals 2hrs/wk, field work 1 hr/wk **Prerequisites:** Animal and Veterinary Bioscience years 1-3 OR Bachelor of Science in Agriculture years 1-3 **Prohibitions:** AVBS4010, AVBS4011 **Assessment:** written assignment (25%), practical report (25%) and written exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Sc Agr.

This unit introduces the concepts of sheep and beef cattle production in the Australian environment within the context of world food and fibre consumption and production. The key products and domestic and export markets for these are presented. The course then provides an historical perspective of the basis for each of these industries and then describes each of the production systems designed to meet the demand for these products. These will cover production in both the tropical and temperate regions of Australia and include the key elements of extensive grazing and intensive feedlot systems. Major issues will include breeds and breeding systems, basic nutrition and production practices and animal welfare issues as they affect the quality and quantity of product marketed. The concepts of first stage processing of both meat and fibre products in abattoirs and top-making plants respectively will be presented. The grading of products based on quality factors.

The major factors that influence the quality of product and therefore market demand will be presented. Lecture material will be supported with a 5 day study tour to the Riverina to evaluate different commercial production systems, appropriate practical classes and student presentations.

#### Textbooks

Anderson RS, Edney ATB 1991 Practical animal handling, Pergamon Press  
Battaglia RA 2001, Handbook of livestock management, Prentice Hall  
Lawrie, RA 1980, 1981, Developments in meat science, vols 1&2, Applied Science Publishers  
Lawrie, RA 1985, 1988, 1991, Developments in meat science, vols 3-5, Elsevier Applied Science  
Ensminger, ME & Perry RC 1997, Beef cattle science, Interstate Publishers  
Temple, G 2000, Beef cattle handling and facilities design, Grandin Livestock Systems, Fort Collins, Colo  
Cottle, DJ 2000, Australian sheep and wool handbook, WRONZ Developments, Christchurch  
Massy, C 1990 The Australian merino, Viking O'Neil

## AVBS4013

### Research Project B1 Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Wendy Muir **Session:** Semester 1, Semester 2 **Classes:** There is no face-to-face teaching. The equivalent of 6 hours of course work time will be allocated each week to this unit of study. **Prerequisites:** Animal and Veterinary Bioscience years 1-3 OR Bachelor of Science in Agriculture years 1-3 **Corequisites:** AVBS4014 **Prohibitions:** AVBS4015, AVBS4016, AVBS4017, AVBS4018 **Assessment:** Submit a written literature review on a research topic and give an oral presentation on some aspect of this topic **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

**Associated degrees:** B An Vet Bio Sc, B Sc Agr.

Research Project B is composed of 12 credit points and consists of units 4013 (Research Project B1) and 4014 (Research project B2). Both units can be taken in the same semester or Unit AVBS4013 in semester 1 and unit AVBS4014 in semester 2. In this unit, students, after consultation with academic(s) and/or researcher(s) choose an area of research interest and investigate various sources of information to produce a written literature review in the chosen research area. Students will also be required to give an oral presentation on some aspect of the research area chosen. In most cases there will be strong alignment between this unit and the activities undertaken in unit AVBS4014.

At the end of this Unit of Study, students will:

Identify a research area, define a problem that impacts on animals and analysed this problem using information from various sources; critically evaluate current research (experimental design, statistical analysis, technical limitations) and identify where the present knowledge is limiting for the chosen research topic; assimilate and manage information from within and across disciplines to provide new concepts or understanding in the area of research; become familiar with scientific principles of research and the ethical use of animals in research; produce a written review, after effectively resourcing the appropriate information, that is clearly written and which abides to accepted principles of scientific writing; develop competency at structuring and delivering an oral presentation on some research topic; apply the range of interpersonal skills necessary to work with peers and researchers.

## AVBS4014

### Research Project B2 Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Wendy Muir **Session:** Semester 1, Semester 2 **Classes:** There is no face-to-face teaching. The equivalent of 6 hours of course work time will be allocated each week to this unit of study. **Prerequisites:** Animal and Veterinary Bioscience years 1-3 OR Bachelor of Science in Agriculture years 1-3 **Corequisites:** AVBS4013 **Prohibitions:** AVBS4015, AVBS4016, AVBS4017, AVBS4018 **Assessment:** The students will be assessed on their research capabilities and will submit a report (Written/poster/oral) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

**Associated degrees:** B An Vet Bio Sc, B Sc Agr.

Research Project B is composed of 12 credit points and consists of units 4013 (Research Project B1) and 4014 (Research Project B2). Both units can be taken in the same semester or Unit 4013 in semester 1 and unit 4014 in semester 2. In this unit, students, after consultation with an academic(s) and/or researcher(s) choose to:

Undertake the evaluation and analysis of existing experimental data and produce a report (written/poster/oral); in conjunction with a student undertaking units of study in Research Project A, participate in a defined component of this project and produce a report (written/poster/oral); undertake a laboratory project and produce a suitable report (written/poster/oral); produce a desktop review of an animal industry problem or issue; participate in a group project with other students undertaking Unit 4014 and produce a report (written/poster/oral); undertake some other activity that meets the learning outcomes for this unit of study and produce a report (written/poster/oral). This activity will need to be sanctioned by the Program Coordinator and the year 4 coordinators of the BAnVetBioSc course as well as supervising academic(s)/researcher(s).

## AVBS4015

### Research Project A1 Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Wendy Muir **Session:** Semester 1, Semester 2 **Classes:** There is no face-to-face teaching. The equivalent of 6 hours per week will be allocated from the course work timetable. **Prerequisites:** Animal and Veterinary Bioscience years 1-3. Students need to have obtained a second/third year WAM commensurate with obtaining a first class honours grade. **Corequisites:** AVBS4016, AVBS4017, AVBS4018 **Prohibitions:** AVBS4013, AVBS4014 **Assessment:** Provide a written preliminary research proposal. Provide a literature review on the research topic. Deliver an oral presentation on the research proposal. Deliver an oral presentation, on the research at the end of the project. Evaluation of the students for the research capabilities. Provide a written thesis. These assessment tasks will be scheduled throughout the four units comprising Research Project A (AVBS 4015, AVBS 4016, AVBS 4017, AVBS 4018) with the final grade averaged over all four units. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

**Associated degrees:** B An Vet Bio Sc, B Sc Agr.

Research Project A is composed of 24 credit points and consists of units AVBS4015 (Research Project A1), AVBS4016 (Research Project A2), AVBS4017 (Research Project A3) and AVBS4018 (Research Project A4). All units can be taken in the same semester. However, the units need to be taken in chronological order if taken across both semesters. All four units are connected to the overall completion of the research project. Prior to start of this unit of study, students after consultation with an academic(s) and/or researcher(s) choose an area

of research interest and this will form the basis of the entire Research Project A program (24 credit points in total). In unit AVBS4015 students will be required to undertake assessment tasks and conduct research activities.

At the end of this Unit of Study, students will:

Identify a research area, define a problem that impacts on animals and analyse this problem using information from various sources; critically evaluate current research (experimental design, statistical analysis, technical limitations) and identify where the present knowledge limiting for the chosen research topic; assimilate and manage information from within and across disciplines to provide new concepts or understanding in the area of research; become familiar with scientific principles of research and the ethical use of animals in research; undertake research related to the project; meet set assessment tasks designed to develop written and oral presentation skills; apply the range of interpersonal skills necessary to work with peers and other researchers; meet deadlines and maintain accurate records related to the project.

#### AVBS4016

##### Research Project A2 Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Wendy Muir **Session:** Semester 1, Semester 2 **Classes:** There is no face-to-face teaching. The equivalent of 6 hours per week will be allocated from the course work timetable. **Prerequisites:** Animal and Veterinary Bioscience years 1-3. Students need to have obtained a second/third year WAM commensurate with obtaining a first class honours grade. **Corequisites:** AVBS4015, AVBS4017, AVBS4018 **Prohibitions:** AVBS4013, AVBS4014 **Assessment:** See AVBS4015 **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

**Associated degrees:** B An Vet Bio Sc, B Sc Agr.

Students will actively work on the research projects identified at the start of unit AVBS4015. This is will include, where appropriate, undertaking animal and laboratory studies, collection and analysis of samples and data, recording of data, continue to evaluate information from various sources and meet set assessment deadlines.

See under AVBS4015 for further information.

#### AVBS4017

##### Research Project A3 Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Wendy Muir **Session:** Semester 1, Semester 2 **Classes:** There is no face-to-face teaching. The equivalent of 6 hours per week will be allocated from the course work timetable. **Prerequisites:** Animal and Veterinary Bioscience years 1-3. Students need to have obtained a second/third year WAM commensurate with obtaining a first class honours grade. **Corequisites:** AVBS4015, AVBS4016, AVBS4018 **Prohibitions:** AVBS4013, AVBS4014 **Assessment:** See AVBS4015 **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

**Associated degrees:** B An Vet Bio Sc, B Sc Agr.

See under AVBS4015 and AVBS4016.

#### AVBS4018

##### Research Project A4 Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Wendy Muir **Session:** Semester 1, Semester 2 **Classes:** There is no face-to-face teaching. The equivalent of 6 hours per week will be allocated from the course work timetable. **Prerequisites:** AVBS4015, Animal and Veterinary Bioscience years 1-3. Students need to have obtained a second/third year WAM commensurate with obtaining a first class honours grade. **Corequisites:** AVBS4016, AVBS4017 **Prohibitions:** AVBS4013, AVBS4014 **Assessment:** See AVBS4015 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Sc Agr.

See under AVBS4015 and AVBS4016.

#### AWSS1001

##### Architectural Sketching and Drawing Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Ms Jan Fieldsend **Session:** Semester 1 **Classes:** Two hours studio per week. **Assessment:** Portfolio of works and process journal. **Practical field work:** Studio practice. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students may incur costs for materials in some Art Workshops units.*

**Associated degrees:** B Des Arch, UG Study Abroad Program.

This module aims to provide the student with the knowledge, skills and aptitude required to use a range of fundamental drawing skills and media to make a portfolio of drawings based on observation of the physical world, in particular the built world. On successful completion of this unit of study students will have demonstrated familiarity with a range of drawing media and techniques, including charcoal, graphite, conte crayon, pen, brush and ink, as well as being introduced to colour and mixed media. Students will be encouraged to develop a commitment to the practice of drawing as a discipline in its own right as well as a fundamental skill in all design areas. Each technique and approach will be presented against a background of art history and current architectural practice. Students will understand the importance of maintaining a diary as a site to record all their visual and conceptual research, and in which to draw on a daily basis as a means to develop both skills and ideas.

#### AWSS1003

##### Art Practice Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Three hours per week **Assessment:** Attendance, studio skills and technique, studio work, portfolio and completed projects. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Enrolment numbers are limited by space and equipment constraints. Students should submit written permission from the Tin Sheds Gallery with their request to enrol. Students may incur costs for materials in some Art Workshops units. Available to Bachelor of Arts (Art history and Theory) students only.*

**Associated degrees:** B A.

This unit enables students in the Bachelor of Arts (Art History and Theory) to attend an individual medium: Photography, Printmaking, Ceramics, Digital Video, General Drawing, Painting, Life Drawing, Screen-printing, Sculpture, Mixed Media, Site-Specific Art.

#### AWSS2001

##### Public Art Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Ms Jan Fieldsend **Session:** Semester 1 **Classes:** Two hours per week. **Assessment:** Research Journal, Essay and Oral presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

The field of public art is rapidly growing and as such has generated much debate and interest.

The aim of this unit is to provide students with a broad overview of the issues that influence and inform the production of art in the public sphere: history and theory of public art, policy and management, conservation, community response and evaluation, current local and international practice. It aims to develop each student's ability to critically analyse and be able to enter into debate (both written and spoken) on public art issues, especially its relationship to architecture. Field trips, artist/commissioner talks, case studies, (eg. the Vietnam Memorial in Washington and the Sydney Olympic Public Art Projects) and slide lectures will complement the theoretical content of Public Art.

#### AWSS2002

##### Site Specific Art Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Ms Jan Fieldsend **Session:** Semester 2 **Classes:** Three hours per week. **Assessment:** Studio projects and associated assignments. **Practical field work:** Studio practice. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery,*

*Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

This practical unit aims to give students a broad understanding of how site-specific art functions as a contemporary art medium, including its historical development and relationship to other visual art forms and architecture. Students gain experience in ways of selecting and analysing sites for the purposes of incorporation into artwork. Students begin to develop an individual art practice through using a wide range of materials to make temporary site-specific artworks and also begin to develop ways of analysing and evaluating site-specific artworks through directed group discussions.

#### AWSS2010

##### Ceramics (Handbuilding)

##### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Mark Jones **Session:** Semester 1, Semester 2 **Classes:** Three hours per week. **Assessment:** Studio projects, seminars and associated assignments. **Practical field work:** Studio practice **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

This practical unit aims to give students the understanding to create handbuilt ceramic constructions that will be fired and glazed. Students will explore the plastic properties of clay as well as glazing, underglazing and surface treatments. There will be an investigation of handbuilt ceramics at both historical and contemporary levels. Set projects will enable students to discover their own means of expression and design of vessels and sculptural forms. Projects include slab and coil construction and combinations of coil, slab and pinch construction. Various surface finishes such as brushwork, glazing and sculptural relief applications will be introduced including coloured underglazes, slips and glazes.

#### AWSS2011

##### Ceramics (Wheel Throwing)

##### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Mark Jones **Session:** Semester 1, Semester 2 **Classes:** Three hours per week. **Assessment:** Studio projects, seminars and associated assignments. **Practical field work:** Studio Work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

This practical unit aims to give students an introduction to the varied techniques of throwing on the wheel to produce vessels and designed forms. The emphasis is on the art and craft of this age old method of construction. There will be an investigation of this practice at both historical and contemporary levels. Various techniques will be introduced including combination throwing and handbuilding, turning, glazing and brushwork with slips and underglazes.

#### AWSS2013

##### Digital Video

##### Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Three hours per week. **Assessment:** Assessment is based on participation, process/research journal, practical digital video skills and completed projects. **Practical field work:** Studio practice **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

This practical unit aims to explore the languages of moving images; conventions of framing, movement and editing; developing a fundamental understanding of the technical aspects of pre-production, production and post-production; and generate independent and cooperative working methods using a variety of media. Students will be introduced to digital video systems with up-to-date editing software. Emphasis is placed on skills development, process (storyboarding) and ideas. The module is divided into units exploring approaches to lighting, shooting, editing, sound production and concept development.

#### AWSS2014

##### Printmaking

##### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Ms Seraphina Martin **Session:** Semester 1, Semester 2 **Classes:** Three hours per week. **Assessment:** Attendance: 10%, Studio skills, image conception, research journal 30%, Print portfolio: 60% **Practical field work:** Studio practice **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

This practical unit aims to give students a broad understanding of how an etching is developed, offering contemporary non-toxic alternatives to traditional etching. A wide range of mark making techniques will be applied combining collage, photography, photocopy art, textural found objects, digital images, as well as the traditional discipline of drawing. Students will gain knowledge of fundamental plate making techniques, and their different applications through demonstration, slide lectures and discussion. Other forms of printmaking, such as lino cuts and mono prints may be also explored.

Students will be introduced to the history/theory of printmaking as an art form in contemporary art. Printmaking's relationship to architecture and digital media will be also discussed. Particular emphasis will be placed on the production of a high quality print portfolio on state of the art printmaking papers.

#### AWSS2015

##### General Drawing

##### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Ms Sue Pedley **Session:** Semester 1, Semester 2 **Classes:** Three hours per week. **Assessment:** Studio projects and associated assignments. **Practical field work:** Studio practice **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

This module aims to provide the student with the knowledge and aptitude required to use a range of fundamental drawing skills and media to make a portfolio of drawings based on observation of the physical world. It aims to increase the student's level of skill in representational, interpretive and expressive areas of drawing. The focus is on the formal aspects of composition and perspective as well as mixed media and experimental approaches. Students use a wide variety of mark-making methods to render line, tonal value and texture. Students are provided with the opportunity to combine sound observational skills with imaginative and experimental techniques in order to encourage a personal vision and a commitment to the practice of drawing. Drawing is a discipline in its own right as well as a fundamental skill in all design areas. Each technique and approach will be presented against a background of art history and theory.

#### AWSS2016

##### Graphic Design (Introduction)



## Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Ms Teena Clerke **Session:** Semester 1, Semester 2 **Classes:** Three hours per week. **Assessment:** Studio projects and associated assignments. **Practical field work:** Studio practice **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

This unit of study assumes the student knows little or nothing about graphic design. The aim is to introduce basic design principles and processes, examining the use of design elements, the construction of meaning in visual communications, research methods and the relationships between type, image and form.

The unit involves practical studio work with a lecture series that introduces students to the history, theory and practice of graphic design and typography. Preliminary exercises develop an understanding of the basic skills, concepts and materials of visual communication and document layout. Students learn about the elements of design, page composition and the use of type and image. Understanding of the integration of type and image is applied in the final project. Students consider how information is transmitted and interpreted and develop an understanding of the key roles of the media form, the audience and the communication objective.

Students address the issues of style and meaning in contemporary design and typography and are required to research and present a journal of collected print samples and readings that expand their knowledge.

### AWSS2018

#### Life Drawing

#### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Mr Brandt Lewis **Session:** Semester 1, Semester 2 **Classes:** Three hours per week **Assessment:** Studio projects and associated assignments. **Practical field work:** Studio practice **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

This module aims to provide the student with the knowledge, skills and aptitude required to use a range of fundamental drawing skills to make a portfolio of work based on observation of the human body through the use of life models. It aims to increase the student's level of skill in representational, interpretive and expressive areas of drawing, using a wide range of drawing media and techniques, focussing on the formal aspects of composition, anatomy, scale, proportion and foreshortening as well as developing dynamic approaches to drawing the human body. Students will be provided with the opportunity to combine sound observational skills with imaginative and experimental techniques in order to encourage a personal vision and style and a commitment to the practice of drawing as a discipline in its own right. Each technique and approach will be presented against a background of art history and theory.

### AWSS2019

#### Mixed Media

#### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Ms Jan Fieldsend **Session:** Semester 2 **Classes:** Three hours per week. **Assessment:** Studio projects and associated assignments. **Practical field work:** Studio practice **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

In the twentieth century, collage techniques profoundly changed the form and content of visual arts. Mixed Media examines these developments through practical classes, slide lectures and discussion. Collage, assemblage, montage, photocopy art and the more traditional disciplines of drawing, painting and printmaking are included in mixed media.

This unit of study presents students with a wide range of art materials, techniques and concepts. It aims to develop skill in and knowledge of various formal considerations in art practice: scale, line, texture, colour, space, shape etc. as well as understanding the conceptual bases of artwork. Through a set of preparatory exercises and finished artworks students can explore and develop creative expression, technical abilities and knowledge of materials. An awareness of art history/theory in relation to mixed media will be presented and discussed to inform the student's own approach to image making.

### AWSS2020

#### Object Design

#### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Ms Anne Harry **Session:** Semester 1, Semester 2 **Classes:** Three hours per week. **Assessment:** Studio projects and associated assignments. **Practical field work:** Studio practice **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

In this unit students develop and inter-relate manufacturing and artisan skills with research, analysis and design development. It aims to develop a critical awareness of the nature of all objects which surround us, exploring cultural, contextual and symbolic aspects of object design as well as functional and aesthetic qualities. Sustainability and social issues relating to their manufacture, use and disposal are also discussed. The unit aims to increase appreciation of the materiality of objects focusing on timber as an example and introduces students to the wonderful diversity of timber species, environmental and ethical issues associated with their selection, and also emerging alternative materials. Through a series of exercises and production of their major project, students develop knowledge of construction techniques and skills in using wood/plastics tools and machinery and in so doing, build an awareness of industrial and craft practices and how they impact on the design process and outcome.

### AWSS2022

#### Painting

#### Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Three hours per week **Assessment:** Studio projects and associated assignments. **Practical field work:** Studio practice **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

This module aims to provide the student with the knowledge and aptitude required to use a range of fundamental painting skills to make a portfolio of work based on observation of the physical world, and to experiment with imaginative applications of acrylic or oil media. Students with little or no experience with painting will be shown how to prepare grounds, mix colours, make a tonal scale in colour, then undertake practical work in observational painting including still-life and interior (painting form, modelling and shading techniques, use of pure colour), landscape (compositional techniques, perspective, use of grounds), the nude and self-portraiture (painting with a life model, anatomy). Each project will be presented against a background of relevant art history and conceptual approaches, including, where appropriate, contemporary approaches to style and appropriation, the decorative, text, collage and abstraction. Students will be shown how



to use a visual diary as their research/process journal which will include all their visual and conceptual research.

## AWSS2023

### Photography 1

#### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Ms Paola Talbert or Ms Virginia Ross  
**Session:** Semester 1, Semester 2 **Classes:** Three hours per week.  
**Assessment:** Studio projects and associated assignments. **Practical field work:** Studio practice **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

This practical unit assumes students have little or no understanding of dark room practice. It aims to give students an understanding of how photography functions as a contemporary visual medium, including its historical development. Students will gain knowledge of the principles and practise of camera operations, the production of high quality black and white negatives and prints in small studio style classes. This module covers the use of a 35mm SLR camera, image composition, use of lighting, film developing and printing photographs. Practical work includes darkroom, gallery visits, completion of set class projects, technical exercises, class discussions and the production of a portfolio. Students should have access to a 35mm SLR film camera.

## AWSS2024

### Photography 2

#### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Ms Paola Talbert or Ms Virginia Ross  
**Session:** Semester 1, Semester 2 **Classes:** Three hours per week.  
**Prerequisites:** AWSS2023 or equivalent. Equivalence can be established by either presenting a portfolio of b&w photographic work or by presenting a transcript indicating a minimum of a full semester unit in b&w photography.  
**Assessment:** Studio projects and associated assignments. **Practical field work:** Studio practice **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

In this unit of study, students will have the opportunity to develop creative photographic projects from initial ideas to production of artwork, producing two major photographic series that function successfully at both an aesthetic and a conceptual level. They will have the opportunity to research and experiment with a variety of different ideas and take an experimental approach to photography, trying different techniques and considering which will best serve the intentions of the artwork.

## AWSS2026

### Screen Printing on Paper

#### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Ms Jan Fieldsend **Session:** S1 Intensive **Classes:** Three hours per week. **Assessment:** Studio projects and associated assignments. **Practical field work:** Studio practice **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

This studio-based unit will introduce students to screen printing on paper, in both graphic design and contemporary art contexts. Screen-printing is most commonly known as a commercial process, however many artists have used this printmaking technique not only

for its versatile aesthetic qualities but to comment on the way art is perceived in the age of mass media and consumerism.

It aims to provide students with: the knowledge and skills to design for and print on paper; awareness and appreciation of screen-printing in historical and contemporary contexts; a wide variety of techniques and exercises that can be developed into an edition or experimental series of screen-prints.

Techniques covered include: photo, wax emulsion stencils, preparation of photo-positives, ink technology, registration and print set-up for multi-coloured screen-prints. Through studio practice, set exercises, slide-lectures, gallery visits and library research students will develop an understanding of their creative process and ability to interpret ideas through the medium of screen-printing.

## AWSS2027

### Sculpture

#### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Mr Ari Purhonen **Session:** Semester 1, Semester 2 **Classes:** Three hours per week. **Assessment:** Studio projects and associated assignments. **Practical field work:** Studio practice **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

The aim of this unit of study is to develop knowledge and abilities in all areas, practical, historical and theoretical relevant to the making of sculpture.

Students will work with a broad range of materials and sculptural techniques such as clay modelling, plaster-mould making, casting, soldering, brazing and welding which will be used to explore elementary aspects of three-dimensional form and space.

You will be required to design, plan and complete two projects, a casting in plaster and a work using metal. In addition to this you will need to independently research historical precedents and contemporary practice in sculpture and discuss your ideas and development of your work in class.

## AWSS2028

### Web Art and Design

#### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Mr Gianni Wise **Session:** Semester 1, Semester 2 **Classes:** Three hours per week. **Assessment:** Studio projects and associated assignments. **Practical field work:** Studio practice **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Tin Sheds Gallery, Wilkinson Building. Attendance at the first class is compulsory to maintain your place in the unit: allocation of spare places will be made at the first meeting. Students may incur costs for materials in some Art Workshops units.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

The Web Art and Design unit of study aims to introduce Web design and internet page creation within the context of contemporary art. The practical class will enable students to build a website using current software. The aim is to encourage engagement with the net in terms of its creative potential and cultural relevance rather than its commercial and educational uses. Students will investigate use of the internet by contemporary artists in such diverse areas as media arts, architecture, hypertext writing and other emerging forms of net art that engage with the very form of the internet. Students are expected to have a basic knowledge of Web design and the internet



# University undergraduate units of study – B

## BACH1031

### Clients, Practitioners and Organisations Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Rose Leontini **Session:** Semester 2 **Classes:** 13 lectures, 6 seminars **Assumed knowledge:** BACH1130 Foundations of Health Sociology **Assessment:** Group poster presentation (50%), 1hr exam (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education or Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Leis&Hlth), B App Sc (Leis&Hlth)Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), Hea.

This unit of study applies a sociological perspective to the complex relationships between stakeholders in the Australian health care system. The unit emphasises: sociology of client/practitioner relationships; sociology of work and organisations in health care settings; theoretical perspectives on the self, the body, illness and identity.

*Textbooks*  
Book of readings

## BACH1130

### Social Determinants of Health Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Mr Ian Andrews **Session:** Semester 1, Semester 2 **Classes:** 2hr plenary session (or lecture)/week from Wks 1-13 inclusive **Assessment:** Class essay (35%), exam (65%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Phty), B App Sc (Phty), B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), B Hlth Sci, B O H, Health S.

This unit provides the sociological tools (theory and method) that are required to achieve social literacy in the domain of health and illness. The unit will develop within the student a sociological imagination, a quality of mind that will be used to scrutinise everyday assumptions regarding health and illness. Topics covered include: the key features of modern societies; the sociological imagination; structural inequalities in Australian society and their impact upon health and the provision of healthcare services; the distinction between biomedicine, individualistic health promotion and social medicine; the history, presence and future of medical dominance in the Australian healthcare sector and the complex links that exist between gender and health.

## BACH1132

### Foundations of Health Psychology Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Ms Karen Pepper **Session:** Semester 1, Semester 2 **Classes:** 2 lectures/week **Assessment:** 1000 word essay (50%), 1hr MCQ exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Phty), B App Sc (Phty), B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), B Hlth Sci, B O H, Health S.

This unit provides an introduction to areas of psychology relevant to the health sciences. Students will first be introduced to the principles and applications of psychology, including the links between mind and body, and the role of learning. This will be followed by an examination of psychological changes through the life cycle, health psychology and the psychology of groups and organisations.

## BACH1134

### Health, Illness and Social Inquiry Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mr Ian Andrews, Dr Zakia Hossain **Session:** Semester 1 **Classes:** Strand 1: 2hr lecture/week; strand 2: 1hr lecture, 1hr workshop Wks 1-6, 1hr computer lab session Wks 8-14 **Assessment:** Strand 1: class essay (17.5%), exam (32.5%); strand 2: presentation (20%), exam (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Leis&Hlth), B App Sc (Phty), B B Hlth Sc, B Hlth Sc (Rehab Cng).

This unit is comprised of two complementary 3 credit point strands: 'Foundations of Health Sociology' and 'Applied Sociology: Health Inequalities'. The first strand provides the sociological tools (theory and method) that are required to achieve social literacy in the domain of health and illness. This strand will develop within the student a sociological imagination, a quality of mind that will be used to scrutinise everyday assumptions regarding health and illness. Topics covered include the key features of modern societies; structural inequalities in Australian society and their impact upon health and the provision of healthcare services; the distinction between biomedicine, individualistic health promotion and social medicine; the changing role of alternative medicine in the healthcare system; and globalisation and the political-economic context of healthcare. The second strand provides students with understanding of macro and micro sociological perspectives of health, illness and inequalities. It provides students with opportunities to apply these perspectives and concepts to analyse empirically demonstrable health inequalities in Australian society. Students will use two computer software packages, HealthWIZ and MapWIZ, to research sources of health and population data and to analyse this data using sociological concepts and theories.

## BACH1143

### Designing Health Research Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Tatjana Seizova-Cajic **Session:** Semester 1, Semester 2 **Classes:** 1hr lecture/week and fortnightly tutorials **Assessment:** 1500 word group report due Wks 12-13 (40%), 1.5hr MCQ/SA exam in Wks 15-16 (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phty), B App Sc (Phty), B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, B Hlth Sc.

This unit introduces students to research methodology and design that is fundamental to the health professions. The unit of study presents an overview of the research process, as well as detailed information about ethics, sampling, measurement and both quantitative and qualitative approaches to research. Students will become familiar with main concepts and logic underlying all research designs, with specific terminology used in epidemiological studies and with the notion of evidence-based practice. Students will also develop skill in understanding, interpreting and evaluating research reports, doing literature search and review, selecting appropriate research methods to answer research questions and in presenting research findings using a standard format for quantitative studies.

## BACH1145

### Quantitative Health and Social Research Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Ms Karen Pepper **Session:** Semester 1, Semester 2 **Classes:** 1hr lecture, 1hr tutorial/week **Assumed knowledge:** Basic mathematics **Assessment:** 1000 word assignment (40%), 1.5hr MCQ



exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), B Hlth Sc (Rehab Cng), B Hlth Sc (R).

This unit introduces prospective health science practitioners and researchers to methods for exploring, analysing, understanding and interpreting quantitative data. It aims to provide an understanding of the main ideas of statistics and useful skills for working with data as well as to introduce students to common data analysis tools. Methods for collecting, exploring and presenting data are discussed from the perspective of the practitioner. Graphical methods and descriptive statistics are emphasised throughout the unit and precede all analysis techniques. The normal and sampling distributions are introduced. The early emphasis in this unit will be placed on explaining; patterns in data, outliers and variability. Random sampling in the context of randomised comparative experiments precedes an introduction to statistical inference for comparisons and relationships. Methods for parametric and non-parametric inference are introduced for one, two and multiple samples. The unit also introduces students to techniques of epidemiological data analysis. Students will use data analysis software packages that are in common use in employment settings. The nexus between qualitative and quantitative methodologies is explored, throughout the unit, in the context of inference and scientific method.

#### BACH1147

##### Qualitative Health and Social Research Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Rose Leontini **Session:** Semester 1, Semester 2 **Classes:** 1hr lecture/week, 1hr tutorial every alternate week, commencing in Wks 2 and 3 **Assessment:** Two 1500 word assignments (50% ea) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt)Hons, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Phy), B App Sc (Phy), UG Study Abroad Program.

This subject introduces students to key elements in the design of qualitative research. The student will acquire skills in recognising research questions and problems which are appropriately investigated using qualitative methods. The unit will present a range of qualitative methodologies including naturalistic observation and in-depth interviews. Students will develop skills in recording and presenting qualitative data and in the use of analysis techniques suitable for qualitative data.

#### BACH1148

##### Health, Attitudes and Interaction Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Gomathi Sitharthan **Session:** Semester 2 **Classes:** 2hr lectures for 13 weeks **Prerequisites:** BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology or Junior Oral Health Units **Assessment:** 1hr mid semester exam, 2hr final exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), B Hlth Sci, B O H.

This unit of study comprises two modules. Module 1: Social Psychology examines the findings from research into social phenomena such as helping behaviour, aggression, prejudice and conformity. The unit extends this examination to the application of findings to health care settings and practitioners. Module 2: Disability Studies students will be exposed to an interdisciplinary perspective on the experiences of people with chronic illnesses and disability as well as community and professional perceptions of disability. Both modules examine the psychology of client-practitioner communication and interaction.

#### BACH1161

##### Introductory Behavioural Health Sciences

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Karen Pepper, Mr Ian Andrews **Session:** Semester 1, Semester 2 **Classes:** 4hrs/week **Assessment:** Class exercise (17.5%), mid semester 1000 word essay (25%), end semester exam (57.5%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Ex &Sp Sc), M N, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B B Hlth Sc, B Hlth Sci, B Hlth Sci, M N, B O H, UG Study Abroad Program.

This unit provides an introduction to areas of psychology and sociology relevant to health and wellbeing. The unit provides the sociological tools (covering both theory and method) that are required to achieve social literacy in the domains of health and wellbeing as well as an introduction to the principles and applications of psychology as they pertain to these areas. The unit aims to develop a sociological imagination, a quality of mind that will be used to prompt students to question commonsense assumptions regarding health and wellbeing, including in specific areas such as exercise and sport. Students will also gain familiarity with the major paradigms and methodological approaches of contemporary psychology and will develop a facility in evaluating the application of psychological theory to specific health issues in their major area of study, such as addiction, stress, nutrition and diet and exercise adherence. Specifically, the sociology component of the unit will examine the origins, nature, and prospects of 'modern' societies; the nature of sociological explanation (the 'sociological imagination'); the social patterns, social processes, and social relationships that underpin inequalities in Australian society, especially as they relate to health and wellbeing; the characteristics, and limitations, of the classical biomedical model; the diagnostic and prescriptive distinctions between biomedicine, individualist health promotion, and social medicine; the wider political and economic context of healthcare, and of community sport and recreational activities. The psychology component of the unit will examine links between mind and body; the principles of learning and behaviour change; the psychological and biological responses to stress and pain; pain management; the psychology of groups, clubs, and other organisations; and selected additional topics as appropriate (for example, communication, exercise and fitness, health promotion, psychological changes across the lifespan).

#### BACH1165

##### Psychology and Cognitive Factors (Intro) Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Steve Cumming **Session:** Semester 2 **Classes:** 5hrs/week **Assessment:** Mid and end semester exam, written assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path), UG Study Abroad Program.

This unit provides an introduction to developmental psychology and introduces students to an information processing approach to cognitive functions including attention, learning, memory, knowledge acquisition reasoning and decision making.

#### BACH2109

##### Cognitive Neuropsychology I Health Sciences

**Credit points:** 5 **Teacher/Coordinator:** Dr Steve Cumming **Session:** Semester 2 **Classes:** On-campus, 1 lecture in Wks 1-5, 2 lectures in Wks 6-13 **Prerequisites:** BACH1159 Cognitive Factors in Health **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (MRS) Rad Thpy, B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program.

This unit extends the study of normal cognition begun in BACH1159 Cognitive Factors in Health, introduces the neuropsychological approach to brain-behaviour relationships and considers the cognitive neuropsychological approach to understanding fundamental cognitive processes.

*Textbooks*

Eysnck & Kerne, Cognitive Psychology (3rd ed), Psychology Press

## BACH2126

### Maladaptive Behaviours/Behaviour Change

#### Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Dr Mairwen Jones **Session:** Semester 1, Semester 2 **Classes:** 2hr lectures/week (Wks 1-10), 1hr tutorials/week (Wks 1-13) **Assumed knowledge:** BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology **Assessment:** 25min small group (2-3 people) class presentation (problem and treatment) (40%), 2hr MCQ/SAQ/essay exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Leis&Hlth), B App Sc (OT), B App Sc (OT) Hons, B App Sc (Phy), B App Sc (Phy), B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, Health Sciences UG Non-Award, UG Study Abroad Program.

This unit provides students with a general theoretical framework within which psychologically problematic behaviours are discussed. Students will be presented with an overview of current etiological theories and best-practice treatment approaches for a range of common psychological conditions with reference to controlled treatment outcome studies. This unit also explores the cognitive-behavioural approach to the management of maladaptive behaviour and psychological dysfunction based upon the application of learning principles. The unit examines the theory and application of behavioural management strategies in a variety of clinical settings and contrasts these with competing models of psychological therapy.

## BACH2127

### Health Policy and Service Delivery

#### Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Kate O'Loughlin **Session:** Semester 1, Semester 2 **Classes:** 13 lectures, 6 tutorials **Prerequisites:** BACH1098 Introduction to Health Sociology or BACH1130 Foundations of Health Sociology **Assessment:** 1000 word essay (40%), 1.5hr exam essay and SAQ (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B Hlth Sci, Health Sciences UG Non-Award, UG Study Abroad Program.

This unit provides an understanding of key aspects of the relationship between Australian society, health and health service provision. It discusses the development, delivery and evaluation of Australian health and disability policy and services in a global context and across the life span. The importance of a holistic and preventive approach to health policy is stressed and the relationship between service access, equity, quality and cost is discussed.

## BACH2128

### Cognition and Cognitive Impairment

#### Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Steve Cumming **Session:** Semester 2 **Classes:** 2hrs lectures/week in Wks 1-8, 1hr lecture, 1hr seminar/week in Wks 9-13 **Assumed knowledge:** BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology **Assessment:** 20min group presentation (30%), 1hr MC/SA exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Leis&Hlth), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), UG Study Abroad Program.

This unit of study introduces students to visual and auditory perception and presents an information processing approach to cognitive functions including attention, motor skill learning, memory, knowledge acquisition, reasoning and decision-making. The unit of study emphasises the application of perceptual and cognitive research findings to a range of functional activities and to understanding the perceptual and cognitive functioning that may be expected to be associated with head injury and neurological illness and with developmental and learning disabilities.

## BACH2137

### Health Policy Development

## Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 1, Semester 2 **Classes:** Thirteen 1hr lectures, 12 tutorials **Assessment:** 1000 word project, 3000 word project, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B B Hlth Sc, UG Study Abroad Program.

The unit examines development and implementation of health policies in Australia. It provides a socio-demographic analysis of changing pattern of morbidity and mortality in Australia over time and their impact on health planning and policy development. The unit uses cross-sectional analysis in identifying health issues and health priorities. It focuses on policy determinants, organisational context in policy making, and health policy and financing. Students will develop skills in assessing community health needs; developing health policy and implementation; and monitoring and evaluation of health programs.

## BACH2140

### Research Methods for Health Sciences

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Karen Pepper **Session:** Semester 1, Semester 2 **Classes:** 4hrs/week **Assessment:** 1500 word research report, practical assignment, 3hr end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B B Hlth Sc, B Hlth Sci, B Hlth Sci, M N, UG Study Abroad Program.

Health science graduates are expected to be informed consumers of health research with an evidence-based practice perspective. The aim of this unit is to provide a foundation for critical appraisal of the main approaches and techniques used in health research. The unit introduces students to key elements common to research paradigms, such as problem formulation, research ethics, design, measurement, sampling, data collection and data analysis, and describes their application of a range of fundamental research designs. Research designs commonly used in health settings will be the focus of this unit. Thus, the fundamental principles of experimental and quasi-experimental group and single case research designs, epidemiological research, survey-based approaches, ethnography, phenomenology and grounded theory will be considered, along with methods of data collection including the use of standardised instruments, structured and naturalistic observation and interviewing. The unit will also introduce students to major quantitative and qualitative techniques appropriate for analysing research data.

## BACH2142

### Cognitive Neuropsychology

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Steve Cumming **Session:** Semester 2 **Classes:** 4hrs/week **Prerequisites:** BACH1165 Psychology and Cognitive Factors (Intro) **Assessment:** Assignment, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path), UG Study Abroad Program.

Student acquire knowledge of normal cognition, neuropsychological approach to brain-behaviour relationships and cognitive processes; the cognitive and behavioural consequences of brain damage and models of cognitive rehabilitation.

## BACH2143

### Counselling & Behaviour Management for CD

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Chris Lennings **Session:** Semester 2 **Classes:** 4hrs/week **Assessment:** Case study, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path), UG Study Abroad Program.

Students will acquire knowledge of basic and advanced counselling, psychotherapeutic and behaviour management skills as they are used

by students and professionals in health sciences working with individuals with communication disorders.

### BACH2144

#### Behaviour, Management and Health Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Mairwen Jones **Session:** Semester 2 **Classes:** 2hr lectures/week (Wks 1-10), 1hr tutorial/week (Wks 1-13) **Assumed knowledge:** BACH1132 Foundations of Health Psychology or BACH1133 Introduction to Health Psychology or equivalent **Assessment:** 25min small group (2-3 people) class presentation (problem and treatment) (30%), 2hr MCQ/SAQ/essay exam (50%), 1000 word essay (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sci, B Hlth Sci, M Rehab Cng, UG Study Abroad Program.

This unit provides students with a general theoretical framework within which psychologically problematic behaviours are discussed. The social implication of the use of psychological labels is discussed alongside the need for accurate and non-stigmatising language when discussing mental illness. Students will be presented with an overview of current etiological theories and best-practice treatment approaches for a range of common psychological conditions with reference to controlled treatment outcome studies. This unit also explores the cognitive-behavioural approach to the management of maladaptive behaviour and psychological dysfunction based upon the application of learning principles. The unit examines the theory and application of behavioural management strategies in a variety of clinical settings and contrasts these with competing models of psychological therapy. Students will also have the opportunity to investigate the cultural and social significance of the manifestation of mental illness in a number of societies.

### BACH3055

#### Cognitive Neuropsychology II Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Assoc Prof Lynne Harris **Session:** Semester 2 **Classes:** 1hr lecture, 1hr tutorial/week **Prerequisites:** BACH2109 Cognitive Neuropsychology I **Assessment:** 1hr exam (60%), 25min seminar presentation (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), UG Study Abroad Program.

This unit is concerned with the cognitive and behavioural consequences of brain damage and models of cognitive rehabilitation.

### BACH3056

#### Patient Management Theories/Applications Health Sciences

**Credit points:** 5 **Teacher/Coordinator:** Ms Karen Pepper **Session:** Semester 1 **Classes:** Four 1hr lectures, 1hr seminar/week **Prerequisites:** BACH1132 Foundations of Health Psychology, BACH1159 Cognitive Factors in Health, BACH2126 Maladaptive Behaviours/Behaviour Change **Assessment:** 2hr SA/MC exam (40%), 1hr MC exam (20%), 1500 word case report (20%), video counselling report (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), UG Study Abroad Program.

This unit examines the psychological needs of clients and their families in the context of speech pathology practice. Topics of study include detection of underlying anxiety, depression, conflict and other psychological disorders. The client-practitioner relationship is considered and students will acquire basic counselling skills that will enhance compliance and satisfaction with treatment. Students will apply behavioural therapies to the treatment of speech and language disorders, diagnose and manage learning disabilities with special reference to reading delay and to developmental and acquired reading disability in children and adults. Accurate diagnosis depends on the administration and interpretation of tests. Students will therefore develop skills in the critical evaluation of test theory and test construction, administration and reliability and validity, with special reference to speech and language tests.

### BACH3075

#### Health Psychology Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Lynne Harris **Session:** Semester 1 **Classes:** Lecture and seminar **Prerequisites:** BACH2138 Psychological Disorders and Their Treatment or BACH3144 Psychology and Mental Health or HSBH1003 Health, Behaviour and Society **Assessment:** Assignments, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Rad Thpy, B B Hlth Sc, B Hlth Sc (Hons), B Hlth Sci, B Hlth Sci, M Rehab Cng, UG Study Abroad Program.

This unit examines two major areas of health psychology. Firstly, psychological approaches to understanding and managing pain and the relationship of pain to injury and chronic illness are considered. Pain is a complex multi-dimensional construct with sensory, emotional, motivational, behavioural and environmental components. Current theoretical debates regarding the nature and perception of acute and chronic pain are introduced and techniques currently used in the management of acute and chronic pain are surveyed. Secondly, students are acquainted with the major approaches to understanding and conceptualising stress and coping in our society. Stress represents a reaction to a situation or event which depends on personality, the person-environment fit and the presence of social support. Aspects of the work situation and human service organisations are identified as foci for the study of stress. The seminar program aims to give students a first hand knowledge of the assessment strategies used in stress research and management and direct participation in stress management skills, including relaxation, time management, goal setting and developing coping skills.

### BACH3077

#### Workplace Attachment Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Deborah McGregor **Session:** Semester 2 **Classes:** All-day workshop (Wk 11), 15 days (100 hours) workplace attendance **Assessment:** 1500 word workplace report (50%), 20min presentation (50%) **Practical field work:** 15 days fieldwork **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B B Hlth Sc, B Hlth Sc (Hons), B Hlth Sci, UG Study Abroad Program.

This unit involves two components. Firstly, students undertake a three week workplace attachment during the inter-semester break. Secondly, students will meet during semester to discuss their fieldwork experiences, in terms of the goals of the workplace, and of the policy, ethical, legal, communication, and management issues and applications encountered. Students will submit a detailed report of the workplace attachment, analysing the experience in terms of each of these dimensions.

### BACH3081

#### Sociology of Sport Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Mr Ian Andrews **Session:** Semester 2 **Classes:** On-campus, 2hrs/week **Prerequisites:** BACH1130 Foundations of Health Sociology or BACH1134 Health, Illness and Social Inquiry **Prohibitions:** BACH3130 Sport, Society and Social Theory **Assessment:** Assignment, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B Hlth Sc (Hons), B Hlth Sci, UG Study Abroad Program.

This unit examines the nature of modern sporting forms and practices and relates them to broader social structures and cultural processes. These aims are realised through the reflexive application of a range of sociological theories and concepts. Topics covered include the relationship between sport and the key dimensions of social structure (class, gender, ethnicity, age and disability); ideology, power and politics in sport; the links between sport and 'community' and the relationship between the mass media and professional sports.

### BACH3082

#### Sociology of the Aged and Ageing

**Health Sciences**

**Credit points:** 3 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 1 **Classes:** 1hr lecture, 1hr seminar/week **Prerequisites:** BACH1098 Introduction to Health Sociology or BACH1130 Foundations of Health Sociology, BACH1134 Health, Illness and Social Inquiry **Assessment:** Seminar presentation, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sci, UG Study Abroad Program.

This unit of study uses sociological analysis to examine aspects of Australia's changing demographic profile. Ideological, policy, political, economic and legislative aspects will be analysed. Theories and models of ageing will be applied to patterns of community response, to media representations, and to the well being of older people. The unit examines structural and non-structural factors of their influence on health of older people. Effects of ageing and service provision in various ethnic communities, family reunion, refugee migration, mainstreaming and ethno-specific accommodation will be examined. Students will be expected to use these concepts in an analysis of current government interventions.

**BACH3095****Ageing Society and Professional Practice  
Health Sciences**

**Credit points:** 3 **Teacher/Coordinator:** Assoc Prof Cherry Russell **Session:** Semester 2 **Classes:** Independent learning package **Assumed knowledge:** BACH1098 Introduction to Health Sociology **Assessment:** Report **Campus:** Cumberland **Mode of delivery:** Distance Education

**Associated degrees:** B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sci, UG Study Abroad Program.

This unit aims to contribute to effective professional practice in an ageing society. It provides an overview of key themes and issues including demographic ageing, social constructions of ageing, retirement, social divisions and public policy directions.

**BACH3096****Older People in the Community  
Health Sciences**

**Credit points:** 3 **Teacher/Coordinator:** Assoc Prof Cherry Russell **Session:** Semester 1 **Classes:** Independent learning package: off-campus **Assumed knowledge:** BACH1098 Introduction to Health Sociology **Assessment:** Two assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

**Associated degrees:** B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sci, UG Study Abroad Program.

This unit examines the home and community environment of older people in relation to social factors which affect their health and quality of life.

**BACH3115****Behaviour Disorders and Management  
Health Sciences**

**Credit points:** 3 **Teacher/Coordinator:** Dr Mairwen Jones **Session:** Semester 1 **Classes:** Ten 2hr lectures **Assessment:** 2hr exam, 750 word essay **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program.

This unit provides students with a general theoretical framework within which psychologically problematic behaviours are discussed. The application of behavioural techniques to a variety of situations is studied. These techniques are employed in changing old habits and learning new skills, in managing pain, loss of function, stress, illness and stigma.

**BACH3120****Self, Society and Mental Health  
Health Sciences**

**Credit points:** 3 **Teacher/Coordinator:** Mr Ian Andrews **Session:** Semester 1 **Classes:** 2hrs/week **Prerequisites:** BACH1134 Health, Illness and Social Inquiry or BACH1130 Foundations of Health Sociology or BACH1098 Introduction

to Health Sociology **Assessment:** Assignment, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B B Hlth Sc.

This unit examines the nature of the self in the modern world and assesses various strategies for shaping and controlling the process of self-formation. These aims are addressed through the application of a range of sociological theories and concepts. Topics covered include: the social nature of the self and the process of socialisation; the social origins of mental illness in general and suicide in particular; the contrasting epistemologies of psychiatry, psychology and assorted forms of psychotherapy; the social construction of madness and the anti-psychiatry movement; psychoanalytic views on the self and society; the aims and limitations of 'self-help' and 'personal development' discourses; and the role of narrative in the formation of self-identity. Throughout the unit, students will be encouraged to reflexively apply to their own lives the theoretical perspectives that are covered, with a view to illuminating their own biography and sense of self.

*Textbooks*

Book of readings will be available

**BACH3122****Psychosocial Aspects of Ageing  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Dr Steve Cumming **Session:** Semester 1 **Classes:** Distance mode **Prerequisites:** BACH1161 Introductory Behavioural Health Sciences **Assessment:** Three 2000 word essays/exercises **Campus:** Cumberland **Mode of delivery:** Distance Education

**Associated degrees:** B B Hlth Sc, B Hlth Sc (Hons), B Hlth Sci.

This unit examines the psychosocial context of late adulthood. The impact of changing social, environmental, economic and biological dimensions are examined in the context of healthy ageing and age-related illness. Implications for health care delivery are considered.

**BACH3126****Research Project Development  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Dr Rob Heard **Session:** Semester 1, Semester 2 **Classes:** Three 1hr classes on-campus plus off-campus materials **Assessment:** Three assignments, 6000 words in total (weighted 28%, 28% and 44%) **Campus:** Cumberland **Mode of delivery:** Distance Education or Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B B Hlth Sc, B Hlth Sc (Hons), B Hlth Sci.

The unit will provide an overview of the research process and focus on the formulation of a research proposal. It will provide students with an opportunity to review and update their knowledge of research methods. Basic research design issues will be considered. Various methods of data collection will be examined together with their suitability for investigating different types of research questions. Students will explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs and data resulting from experimental interview, observation, single case and survey research methods in addition to content analysis and secondary data analysis. Emphasis will be placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures will be briefly reviewed and applications such as epidemiology and evaluation research will be introduced. By the end of this unit students will have developed a research proposal.

**BACH3127****History & Philosophy of Science  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 2 **Classes:** Distance education/WebCT (equivalent to 13 2hr face-to-face lectures) **Assessment:** 2000 word essay (40%), 3000 word essay (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

**Associated degrees:** B B Hlth Sc, B Hlth Sc (Hons), B Hlth Sci.

This unit is designed to provide students with a critical perspective on science as a specific form of knowledge. It introduces students to the major philosophies of the nature of the scientific enterprise taking into account the social versus natural science controversy. Emphasis will be placed also on methodologies designated as hermeneutic/interpretive.

#### Textbooks

Chalmers A, What is This Thing Called Science?, University of Queensland Press (1994)

Hung E, The Name of Science: Problems and Perspective, Wadsworth Press (1997)

### BACH3128

#### Health and Globalisation

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 2 **Classes:** 1hr lecture, 1hr seminar for 8 weeks **Assessment:** 2000 word essay, semester presentation **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B B Hlth Sc, B Hlth Sc (Hons), B Hlth Sci.

The focus of the unit of study is to understand the meaning of globalisation and the impact of globalisation on health. The unit examines the changing trade processes and social and cultural shifts and their impact on populations' health. The unit also aims to provide understanding of both direct and indirect impact of globalisation on health. The direct impact of globalisation on health includes shifting disease patterns; shifting behaviour patterns (diet and smoking) and indirect impact includes changes in trade laws affecting workers' health, the existence of internet 'globalisation' on the health and utilisation of health care services.

### BACH3130

#### Sport, Society & Social Theory

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mr Ian Andrews **Session:** Semester 2 **Classes:** 2hr lecture for 13 weeks **Prerequisites:** BACH1130 Foundations of Health Sociology/Introduction to Health Sociology or BACH1134 Health, Illness and Social Inquiry or BACH1161 Introductory Behavioural Health Sciences **Prohibitions:** BACH3081 Sociology of Sport **Assessment:** 1000 word essay, 3000 word essay, 2hr exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex & Sp Sc), B B Hlth Sc, B Hlth Sci.

This unit draws on the work of numerous social theorists to elucidate the origins, nature and prospects of modern sporting forms and practices. The theorists covered include Norbert Elias, Max Weber, Emile Durkheim, Karl Marx, Antonio Gramsci and Jurgen Habermas. The topics covered include: the social development of modern sports; the functional similarities of sport and religion; ideology, power and politics in contemporary sport; gender, feminism and women's sport; the history of the Olympic Games; the structural transformation of professional football leagues and the role of sport in the formation of self-identity.

#### Textbooks

Book of readings

### BACH3132

#### Contemporary Issues in Health & Medicine

##### Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Kaye Brock **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week **Assessment:** Case study, report/seminar **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program.

Students familiarise themselves with contemporary issues in health and medicine. The combined knowledge and skills from previous learning is utilised in their critical evaluation of these issues.

### BACH3133

#### Health Planning, Policy and Evaluation

### Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 2 **Classes:** 1hr/week **Assessment:** Assignment (project) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, B Hlth Sci, UG Study Abroad Program.

The purpose of this unit is to introduce students to the basic elements of needs assessment, program planning and evaluation in areas of health and health services. Topics include program planning concept, concept of need assessment, theories of change, implementation process and evaluation techniques.

#### Textbooks

Book of readings

### BACH3143

#### Counselling Skills

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Chris Lennings **Session:** Semester 1 **Classes:** 4 hrs/week **Assessment:** Practical assessment (20%), assignment (40%), exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B B Hlth Sc, B Hlth Sci.

The unit begins by presenting students with relevant theory and skills in counselling before considering special applications of helping skills such as team decision making, mediation, negotiation and motivational interviewing. The counselling relationship is then explored, with an overview of issues and techniques involved in the psychological treatment of children, adults and families. Major approaches to counselling and psychotherapy will be represented and contrasted. Students will develop skills in basic communication and counselling approaches and will develop an awareness of the techniques that underlie creditable psychotherapies. A seminar program will provide an opportunity to develop basic counselling and behaviour change skills.

### BACH3145

#### Health Policy

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Lynne Harris **Session:** Semester 1 **Classes:** 4hrs/week **Prerequisites:** BACH1161 Introductory Behavioural Health Sciences **Assessment:** Essay (40%), class assignment (20%), exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B B Hlth Sc, UG Study Abroad Program.

This unit explores the development, implementation and analysis of health related policy in the Australian political, economic and demographic context. The unit provides students with understanding of multi-sectoral approach to health and health policy, resource allocation and budgeting, and evidence-based policy making. Students will be able to analyse current health policy of young people, ageing population and special groups. Students will develop skills in needs assessment, program development, program implementation and program evaluation. Where appropriate, students will undertake comparative studies of Australian and relevant overseas health policy developments.

### BACH3146

#### Cyberpsychology and e-Health

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrew Campbell **Session:** Semester 2 **Classes:** 1hr lectures for 12 weeks **Assessment:** Two 2000 word essays, quizzes, 2hr exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M Rehab Cng, UG Study Abroad Program.

Cyberpsychology and e-health aims to educate those seeking careers in allied health on how societal and individual health is both affected and resourced by the internet. The course will be based on current research and policy guidelines set by the Australian and American Medical Associations, the American Psychological Association and



Australian Psychological Society for the use of information technology in the following areas: informing allied health professionals of online resources for their profession; how types of ICT functions may affect the behaviour of youth and the elderly; ethics and viability of delivering general health and mental health resources online; the evolution of telemedicine and cyber-pharmacology practices; provision of psychological therapy over the internet; general health and mental health research and testing online; quality control and assessment of general and specific online health resources; and future directions of information technology and its application to health.

#### Textbooks

No set textbook but recommended reading will be outlined

### BACH4017

#### Epidemiological Research Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Kaye Brock **Session:** Semester 2 **Classes:** 2hr lectures, tutorials/week **Prerequisites:** HIMT3032 Epidemiology **Assessment:** Open book exam or assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Hons), B Hlth Sci, UG Study Abroad Program.

In this unit students will be exposed to aspects of conducting epidemiological research, an area which focuses on the study of the distribution of disease, the search for determinants of the observed distribution and a subsequent evaluation of causal hypotheses.

### BACH4019

#### History and Philosophy of Science Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 2 **Classes:** Distance education **Assessment:** Two 1000 word assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

**Associated degrees:** B Hlth Sc (Hons), B Hlth Sc (Rehab Cng) Hons, B Hlth Sci, B Hlth Sci, M C V S, UG Study Abroad Program.

This unit is designed to provide students with a critical perspective on science as a specific form of knowledge. It introduces students to the major philosophies of the scientific enterprise taking into account the social versus natural science controversy. Emphasis will be placed also on methodologies designated as hermeneutic/interpretive.

#### Textbooks

Chalmers A, What is This Thing Called Science?, University of Queensland Press (1994)  
Hung E, The Name of Science: Problems and Perspective, Wadsworth Press (1997)

### BACH4043

#### Intermediate Statistics Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Rob Heard, Dr Zakia Hossain **Session:** Semester 2 **Classes:** Distance education/some intensive classes **Prerequisites:** BACH1143 Designing Health Research, BACH1145 Quantitative Health and Social Research **Assessment:** Written assignments, exam **Campus:** Cumberland **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Hons), B Hlth Sci.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in previous research methods units. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests.

### BACH4045

#### Qualitative Research Methods Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Assoc Prof Cherry Russell **Session:** Semester 2 **Classes:** Wednesdays, 4-7pm **Assessment:** Two assignments **Practical field work:** 2 hrs fieldwork **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

**Associated degrees:** B Hlth Sc (Hons), B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, B Hlth Sci, UG Study Abroad Program.

In this unit students will learn about qualitative research techniques, such as in-depth interviewing and participant observation, which focus on the investigation of people's experiences and their interpretation of events. This unit examines the types of research questions for which these methods are best suited and provides training in data collection methods and analysis. The unit is conducted as a seminar in which students actively participate; students also work on a research project of their choice throughout the semester.

#### Textbooks

Silverman D, Doing Qualitative Research (2nd ed), Sage (2005)

### BACH4046

#### Survey Research Methods Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Kate O'Loughlin **Session:** Semester 2 **Classes:** Monday, 5-8pm **Assessment:** Eight page essay (50%), 10 page essay (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt)Hons, B Hlth Sc (Hons), B Hlth Sci, UG Study Abroad Program.

This unit examines survey research design principles and considers conceptualisation, sampling, questionnaire construction and pilot testing of data collection instruments. Techniques for the collection, coding and key punching of survey data will be covered and students will gain experience with computer analysis of survey data. The strengths and limitations of survey data will be discussed.

### BACH4047

#### Developing a Research Project Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Dr Rob Heard **Session:** Semester 1, Semester 2 **Classes:** On-campus, 3hrs/week or distance mode **Assessment:** Three assignments **Campus:** Cumberland **Mode of delivery:** Distance Education

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B App Sc (Orth), B App Sc (Orth), B App Sc (Orth)Hons, B Hlth Sc (Hons), B Hlth Sci, UG Study Abroad Program.

The unit will provide an overview of the research process and focus on the formulation of a research proposal. It will provide students with an opportunity to review and update their knowledge of research methods and introduce the research electives that concentrate on a particular methodology or aspect of the research process. Basic research design issues will be considered. Various methods of data collection will be examined together with their suitability for investigating different types of research questions. Students will explore the use of quantitative and qualitative data, longitudinal and cross-sectional designs and data resulting from experimental interview, observation, single case and survey research methods in addition to content analysis and secondary data analysis. Emphasis will be placed on the issues of validity and reliability of data collection techniques. Basic statistical procedures will be briefly reviewed and applications such as epidemiology and evaluation research will be introduced.

### BACH4055

#### Intermediate Statistics Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Rob Heard **Session:** Semester 1 **Classes:** On-campus, 3hrs/week **Assessment:** Written assignment, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (Aborig Hlth & Comm Dev) Hons, B Hlth Sci.

In this unit, students will extend and consolidate the research methods and statistical skills acquired in BACH2115 Research Methods I and BACH3059 Research Methods II. Students will gain experience in data screening techniques, analysis of variance, multiple regression and non-parametric statistics. Students will learn how to use SPSS to conduct these statistical tests.

## BACH4056

### Qualitative Research Methods

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Cherry Russell **Session:** Semester 2 **Classes:** On-campus, 3hrs/week **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (Aborig Hlth & Comm Dev) Hons, B Hlth Sc (Hons), B Hlth Sci, UG Study Abroad Program.

In this unit, students will learn about qualitative research techniques such as in-depth interviewing and participant observation which focus on the investigation of people's experiences and their interpretation of events. This unit examines the types of research questions for which these methods are best suited and provides training in data collection methods and analysis. The unit is conducted as a seminar in which students actively participate. In addition, students work on a research project of their choice throughout the semester.

#### Textbooks

Silverman D, Doing Qualitative Research (2nd ed), Sage (2005)

## BACH4057

### Survey Research Methods

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Kate O'Loughlin **Session:** Semester 1, Semester 2 **Classes:** 3hr lecture/week **Assessment:** Three written assignments, due Wks 4, 8, 14 (33.3% ea) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B B Hlth Sc, B B Hlth Sc (Hons), B Hlth Sc (Aborig Hlth & Comm Dev) Hons, B Hlth Sc (Hons), B Hlth Sci, UG Study Abroad Program.

This unit examines survey research design principles and considers conceptualisation, sampling, questionnaire construction and pilot testing of data collection instruments. Techniques for the collection, coding and key punching of survey data will be covered and students will gain experience with computer analysis of survey data. The strengths and limitations of survey data will be discussed.

## BACH4066

### Health and Cultural Pluralism

#### Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 1, Semester 2 **Classes:** Individual supervision **Assessment:** 4000 word project **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B B Hlth Sc (Hons), UG Study Abroad Program.

This unit examines the health values and experiences of young people from diverse cultures and their families in a multicultural society. Particular emphasis on multiculturalism, health care delivery, cultural difference in treatment and sickness behaviour of the population. Sociological analysis will be used to examine demographic issues, cultural values, sickness behaviour, family structures and community attitudes in preventative and remedial health care. Government policies and provisions will also be examined and the way in which these have responded to Australia's changing populations will be analysed.

## BACH4071

### Evidence Based Health Care Research

#### Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Kaye Brock **Session:** Semester 1, Semester 2 **Classes:** Thirteen 2hr lectures **Assumed knowledge:** BACH1139 Health and Research Design - General **Assessment:** Open book exam or 1500 word assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Hons), B Hlth Sci, UG Study Abroad Program.

One of the greatest challenges in modern health care is knowing how to use the results of research in the context of decision making regarding an individual client. This unit provides students with the skills necessary for critical reading of reviews prepared by Cochrane Collaboration concerned with the efficacy of interventions and aetiology of health outcomes.

## BACH4073

### Metabolic Epidemiology

## Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Kaye Brock **Session:** Semester 1, Semester 2 **Classes:** 2hrs lectures, tutorials/week **Prerequisites:** HINT3032 Epidemiology **Assumed knowledge:** BACH1139 Health and Research Design - General **Assessment:** Open book exam or assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Hons), B Hlth Sci, UG Study Abroad Program.

Metabolic epidemiology is the study of the distribution and determinants of health outcomes associated with human metabolic status. Metabolic status can be defined variously by anthropometric measures (e.g., body measure of fat distribution), physiological measures (e.g., muscle strength, energy expenditure and exercise levels) and nutritional status (e.g., dietary intake). This unit provides students with the background and skills necessary for critical reading of profession-based papers in the clinical and research literature concerned with the efficacy of environmental interventions and the role of environment and metabolism with other factors in the aetiology of health outcomes.

## BACH4078

### Research Project 1

#### Health Sciences

**Credit points:** 8 **Teacher/Coordinator:** Dr Andrew Campbell **Session:** Semester 1 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

**Associated degrees:** B B Hlth Sc (Hons).

Students will undertake a supervised research project. By the completion of this unit students will have collected data to answer a research question.

## BACH4079

### Research Project 2

#### Health Sciences

**Credit points:** 14 **Teacher/Coordinator:** Assoc Prof Lynne Harris **Session:** Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

**Associated degrees:** B B Hlth Sc (Hons).

Students will evaluate and interpret the findings of the research project commenced in BACH4078 Research Project 1.

## BACH4080

### Research Thesis Support

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Lynne Harris **Session:** Semester 2 **Classes:** No formal classes: individual consultation as required **Prerequisites:** AHCD3016 Writing a Research Proposal, AHCD4052 Honours Workshop **Assessment:** 3000 word assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

**Associated degrees:** B B Hlth Sc (Hons).

The aim of this unit is to assist with the final stage of writing the honours thesis. Students will complete a draft of the research thesis during this unit of study.

## BACH4082

### Research Project: Data Collection

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Lynne Harris **Session:** Semester 1 **Classes:** Variable with project **Assessment:** Literature review (75%), research findings presentation (25%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available only to honours students*

**Associated degrees:** B B Hlth Sc (Hons), UG Study Abroad Program.

Students will undertake a supervised research project. By the completion of this unit, students will have collected data to answer a research question.

## BACH4083

### Research Project: Interpretation

## Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Lynne Harris **Session:** Semester 2 **Classes:** Variable with project **Assessment:** Research thesis (journal article format) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B B Hlth Sc (Hons).

Student will evaluate and interpret the findings of the research project commenced in BACH4082 Research Project: Data Collection.

## BACH4084

### Special Investigation Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Lynne Harris **Session:** Semester 2 **Prohibitions:** This unit is available only to honours students **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B B Hlth Sc (Hons).

Under the supervision of an academic staff member, students will conduct a detailed investigation in a relevant topic area. Mode of delivery will vary according to student numbers. Assessment tasks may also vary between topics, but total assessment load will be commensurate with FHS student workload guidelines.

## BBCL1001

### Biblical Studies 1 Arts

**Credit points:** 6 **Teacher/Coordinator:** Yael Avrahami **Session:** Semester 1 **Classes:** 3 hours per week. Attendance and participation in all lectures and tutorials is mandatory. **Assessment:** Class participation (10%), tutorial presentation and report (30%), research essay (30%), written exam (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program.

This unit provides an introduction to the study of the Bible including: textual, literary and structural criticism; the relevance of other academic disciplines to the study of the Bible; material from the Dead Sea Scrolls and other non-biblical texts. The first five books of the Bible are the focus of textual study in this semester. There are weekly tutorials at which students present papers.

## BBCL1002

### Biblical Studies 2 Arts

**Credit points:** 6 **Teacher/Coordinator:** Yael Avrahami **Session:** Semester 2 **Classes:** 3 hours per week. Attendance and participation in all lectures and tutorials is mandatory. **Assessment:** Class participation (10%), tutorial presentation and report (30%), research essay (30%), written exam (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program.

This unit focuses specifically on books of the Hebrew Bible such as Judges, Samuel and Kings. The course explores events of the period, the historiography of the texts, and religious and historical viewpoints conveyed. Attention will be directed to other relevant writings of the period in the Ancient Near East. There are weekly tutorials at which students present papers.

## BBCL2605

### Literature of Second Temple Judaism Arts

**Credit points:** 6 **Teacher/Coordinator:** Yael Avrahami **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** BBCL1001, BBCL1002 **Prohibitions:** BBCL2005 **Assessment:** 1.5 hour exam (equivalent to 1600 words, 35%), 1600 word essay (35%), other written assignments (equivalent to 1300 words, 30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit considers a range of biblical and extra-biblical texts composed during the Second Temple period (500 BCE - 100 CE). Students will read and analyse English translations of works originally composed

in Hebrew, Aramaic and Greek. Our critical approach to these texts will incorporate an examination of literary, historical and religious issues.

## BBCL2606

### Jewish Apocalyptic Literature Arts

**Credit points:** 6 **Teacher/Coordinator:** Yael Avrahami **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** BBCL1001, BBCL1002 **Prohibitions:** BBCL2006 **Assessment:** 1.5 hour exam (equivalent to 1600 words, 35%), 1600 word essay (35%), other written assignments (equivalent to 1300 words, 30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit considers biblical and extra-biblical apocalyptic writings of the Second Temple period of Judaism (c 500 BCE - 100CE). Apocalyptic works are concerned with the revelation of transcendent knowledge, especially eschatology and the nature of the heavenly realm. Texts will include the Book of Daniel from the Hebrew Bible, extra-biblical works such as the Book of Enoch, and, from the Christian Scriptures, the Book of Revelation. We will examine the development of the literary form of the apocalypse, and explore how these texts express religious, socio-cultural, and historical developments of the period.

## BBCL4011

### Biblical Studies Honours A Arts

**Credit points:** 12 **Teacher/Coordinator:** Yael Avrahami **Session:** Semester 1, Semester 2 **Classes:** 4 hours per week **Prerequisites:** Credit average in 48 senior credit points from Hebrew, Biblical and Jewish Studies, or the equivalent in cross-listed units of study. These credit points must include 24 senior credit points from Biblical Studies and at least 12 senior credit points in Classical Hebrew. **Assessment:** Two 3 hour exams (70%), 15000 word thesis (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Int S (Hons).

First Semester: (i) Biblical and post-biblical texts (2 hours per week); (ii) Classical Hebrew; (iii) a special interest study will be pursued by students under supervision, leading to the writing of a 15,000 word honours thesis.

Second Semester: (i) Students will continue their study of biblical texts and early biblical interpretation with a focus upon a particular book or theme (2 hours a week); (ii) students will continue their study of Classical Hebrew (2 hours per week) at the appropriate level.

## BBCL4012

### Biblical Studies Honours B Arts

**Credit points:** 12 **Teacher/Coordinator:** Yael Avrahami **Session:** Semester 1, Semester 2 **Corequisites:** BBCL4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Int S (Hons).

See BBCL4011

## BBCL4013

### Biblical Studies Honours C Arts

**Credit points:** 12 **Teacher/Coordinator:** Yael Avrahami **Session:** Semester 1, Semester 2 **Corequisites:** BBCL4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Int S (Hons).

See BBCL4011

## BBCL4014

### Biblical Studies Honours D Arts

**Credit points:** 12 **Teacher/Coordinator:** Yael Avrahami **Session:** Semester 1, Semester 2 **Corequisites:** BBCL4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Int S (Hons).  
See BBCL4011

### BCHM2071 Protein Biochemistry Science

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Charles Collyer **Session:** Semester 1 **Classes:** Two 2 hour lectures per week, one 1 hour tutorial and one 4 hour practical per fortnight. **Prerequisites:** 12 credit points of Junior Chemistry and MBLG (1001 or 1901) **Corequisites:** Recommended concurrent units of study: MBLG2071 and BCHM2072 for progression to Senior Biochemistry. **Prohibitions:** BCHM2011, BCHM2971 **Assumed knowledge:** CHEM (1101 and 1102) **Assessment:** One 2hr theory and theory of practical exam, 2 prac reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit of study introduces biochemistry by describing the physical and chemical activities of proteins and their functions in cells. The details of protein interactions with other cellular components are presented and the relationship of protein structure and function is discussed. Techniques in protein chemistry and analysis, including proteomics are introduced together with key experiments which reveal the physical basis of the functioning of proteins. This course builds on the protein science presented in MBLG1001 and is ideally suited to students studying intermediate Chemistry together with Biochemistry. The practical course will nurture technical skills in biochemistry and will include protein preparation, the analysis of protein structure and enzymatic assays.

#### Textbooks

Lehninger Principles of Biochemistry 5th edition by Nelson and Cox  
Resources Manual for Biochemistry 2 Practical Sessions, Sem 1

### BCHM2072 Human Biochemistry Science

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Gareth Denyer **Session:** Semester 2 **Classes:** Two lectures per week, one tutorial per fortnight, and one 4 hour practical per fortnight **Prerequisites:** Either MBLG (1001 or 1901) and 12 credit points of Junior Chemistry or either MBLG2071 or MBLG2971 **Prohibitions:** BCHM2972, BCHM2002, BCHM2102, BCHM2902, BCHM2112 **Assessment:** One 3 hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B E, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program.

This unit of study aims to describe how cells work at the molecular level, with special emphasis on human biochemistry. The chemical reactions which occur inside cells are described in the first series of lectures, Cellular Metabolism. Aspects of the molecular architecture of cells which enable them to transduce messages and communicate are described in the second half of the unit of study. At every stage there is emphasis on the 'whole body' consequences of reactions, pathways and processes. Cellular Metabolism describes how cells extract energy from fuel molecules like fatty acids and carbohydrates, how the body controls the rate of fuel utilisation and how the mix of fuels is regulated (especially under different physiological circumstances such as starvation and exercise). The metabolic inter-relationships of the muscle, brain, adipose tissue and liver and the role of hormones in coordinating tissue metabolic relationships is discussed. The unit also discusses how the body lays down and stores vital fuel reserves such as fat and glycogen, how hormones modulate fuel partitioning between tissues and the strategies involved in digestion and absorption and transport of nutrients. Signal Transduction covers how communication across membranes occurs (i.e. via surface receptors and signaling cascades). This allows detailed molecular discussion of the mechanism of hormone action and intracellular process targeting. The practical component complements the lectures by exposing students to experiments which investigate the measurement of glucose utilisation using radioactive tracers and the design of biochemical assay systems. During the unit of study,

generic skills are nurtured by frequent use of computers and problem solving activities. However student exposure to generic skills will be extended by the introduction of exercises designed to teach oral communication, instruction writing and feedback articulation skills.

### BCHM2553 Biochemistry Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### BCHM2554 Biochemistry Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### BCHM2555 Biochemistry Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### BCHM2556 Biochemistry Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### BCHM2971 Protein Biochemistry (Advanced) Science

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Charles Collyer **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, one 1 hour tutorial and one 4 hour practical per fortnight. **Prerequisites:** 12 credit points of Junior Chemistry and Distinction in MBLG1001 or MBLG1901 **Prohibitions:** BCHM2011, BCHM2071 **Assessment:** One 2 hour theory and theory of practical exam, online quizzes, practical assignments and laboratory book reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

This advanced unit of study introduces biochemistry by describing the physical and chemical activities of proteins and their functions in cells. The details of protein interactions with other cellular components are presented and the relationship of protein structure and function is discussed. Techniques in protein chemistry and analysis, including proteomics are discussed together with key experiments which reveal the physical basis of the functioning of proteins. This course builds on the protein science presented in MBLG1001 and is ideally suited to students studying Intermediate Chemistry together with Biochemistry. The advanced practical course will nurture technical skills in protein biochemistry and will include protein preparation, the interpretation of protein structure, enzymatic assays and biochemical analysis.

#### Textbooks

Lehninger Principles of Biochemistry 5th edition by Nelson and Cox  
Resources Manual for Biochemistry 2 Practical Sessions, Sem 1

### BCHM2972

#### Human Biochemistry (Advanced) Science

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Gareth Denyer **Session:** Semester 2 **Classes:** Two lectures per week, one tutorial per fortnight, and one 4 hour practical per fortnight **Prerequisites:** Distinction in one of (BCHM (2071 or 2971) or MBLG(2071 or 2971)) or (Distinction in MBLG (1001 or 1901) and Distinction average in all other Junior Science Units of Study undertaken). **Prohibitions:** BCHM2072, BCHM2002, BCHM2102, BCHM2902, BCHM2112 **Assessment:** One 3 hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program.

This advanced unit aims to describe how cells work at the molecular level, with special emphasis on human biochemistry. The chemical reactions which occur inside cells are described in the first series of lectures, Cellular Metabolism. Aspects of the molecular architecture of cells which enable them to transduce messages and communicate are described in the second half of the unit of study. At every stage there is emphasis on the 'whole body' consequences of reactions, pathways and processes. Cellular Metabolism describes how cells extract energy from fuel molecules like fatty acids and carbohydrates, how the body controls the rate of fuel utilization and how the mix of fuels is regulated (especially under different physiological circumstances such as starvation and exercise). The metabolic inter-relationships of the muscle, brain, adipose tissue and liver and the role of hormones in coordinating tissue metabolic relationships is discussed. The unit also discusses how the body lays down and stores vital fuel reserves such as fat and glycogen, how hormones modulate fuel partitioning between tissues and the strategies involved in digestion and absorption and transport of nutrients. Signal Transduction covers how communication across membranes occurs (i.e., via surface receptors and signaling cascades). This allows detailed molecular discussion of the mechanism of hormone action and intracellular process targeting. The practical component complements the lectures by exposing students to experiments which investigate the measurement of glucose utilisation using radioactive tracers and the design of biochemical assay systems. During the unit of study, generic skills are nurtured by frequent use of computers and problem solving activities. However, student exposure to generic skills will be extended by the introduction of exercise designed to teach oral communication, instruction writing and feedback articulation skills.

### BCHM3071

#### Molecular Biology & Biochemistry- Genes Science

**Credit points:** 6 **Teacher/Coordinator:** Mrs Jill Johnston, Prof Merlin Crossley. **Session:** Semester 1 **Classes:** Two 1 hour lectures per week and one 6 hour practical per fortnight. **Prerequisites:** MBLG (1001 or 1901) and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804. **Prohibitions:** BCHM3971, BCHM3001,

BCHM3901 **Assessment:** One 2.5 hour exam, practical work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit of study is designed to provide a comprehensive coverage of the activity of genes in living organisms, with a focus on eukaryotic and particularly human systems. The lecture component covers the arrangement and structure of genes, how genes are expressed, promoter activity and enhancer action. This leads into discussions on the biochemical basis of differentiation of eukaryotic cells, the molecular basis of imprinting, epigenetics, and the role of RNA in gene expression. Additionally, the course discusses the effects of damage to the genome and mechanisms of DNA repair. The modern techniques for manipulating and analysing macromolecules such as DNA and proteins and their relevance to medical and biotechnological applications are discussed. Techniques such as the generation of gene knockout and transgenic mice are discussed as well as genomic methods of analysing gene expression patterns. Particular emphasis is placed on how modern molecular biology and biochemical methods have led to our current understanding of the structure and functions of genes within the human genome. The practical course is designed to complement the lecture course and will provide students with experience in a wide range of techniques used in molecular biology laboratories.

#### Textbooks

Lewin, B. Genes IX (9th edition, Jones & Bartlett, 2008)

### BCHM3072

#### Human Molecular Cell Biology Science

**Credit points:** 6 **Teacher/Coordinator:** Mrs Jill Johnston, Prof Iain Campbell **Session:** Semester 2 **Classes:** One 2 hour lecture per week and one 6 hour practical per fortnight. **Prerequisites:** (MBLG (1001 or 1901) and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/MBLG2971 or BCHM2071/2971 or BCHM2072/2972)) or (42CP of Intermediate BMedSc units, including BMED2802 and BMED2804) **Prohibitions:** BCHM3972, BCHM3002, BCHM3902, BCHM3004, BCHM3904 **Assessment:** One 2.5 hour exam, practical work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: BExSci/BSc(Nutrition) students successfully progressing through the combined degree meet the pre-requisites for this unit of study*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit of study will explore the responses of cells to changes in their environment in both health and disease. The lecture course consists of four integrated modules. The first will provide an overview of the role of signalling mechanisms in the control of human cell biology and then focus on cell surface receptors and the downstream signal transduction events that they initiate. The second will examine how cells detect and respond to pathogenic molecular patterns displayed by infectious agents and injured cells by discussing the roles of relevant cell surface receptors, cytokines and signal transduction pathways. The third and fourth will focus on the life, death and differentiation of human cells in response to intra-cellular and extra-cellular signals by discussing the eukaryotic cell cycle under normal and pathological circumstances and programmed cell death in response to abnormal extra-cellular and intra-cellular signals. In all modules emphasis will be placed on the molecular processes involved in human cell biology, how modern molecular and cell biology methods have led to our current understanding of them and the implications of them for pathologies such as cancer. The practical component is designed to complement the lecture course, providing students with experience in a wide range of techniques used in modern molecular cell biology.

#### Textbooks

Alberts, B. et al. Molecular Biology of the Cell. (5th edition. Garland Science. 2008)

### BCHM3081

#### Mol Biology & Biochemistry- Proteins

## Science

**Credit points:** 6 **Teacher/Coordinator:** Mrs Jill Johnston, Dr Joel Mackay  
**Session:** Semester 1 **Classes:** Two 2 hour lectures week and one 6 hour practical per fortnight. **Prerequisites:** MBLG (1001 or 1901) and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804. **Prohibitions:** BCHM3981, BCHM3001, BCHM3901 **Assessment:** One 2.5 hour exam, practical work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit of study is designed to provide a comprehensive coverage of the functions of proteins in living organisms, with a focus on eukaryotic and particularly human systems. Its lecture component deals with how proteins adopt their biologically active forms, including discussions of protein structure, protein folding and how recombinant DNA technology can be used to design novel proteins with potential medical or biotechnology applications. Particular emphasis is placed on how modern molecular biology and biochemical methods have led to our current understanding of the structure and functions of proteins. It also covers physiologically and medically important aspects of proteins in living systems, including the roles of chaperones in protein folding inside cells, the pathological consequences of misfolding of proteins, how proteins are sorted to different cellular compartments and how the biological activities of proteins can be controlled by regulated protein degradation. The practical course is designed to complement the lecture course and will provide students with experience in a wide range of techniques used in molecular biology and protein biochemistry laboratories.

### Textbooks

Lesk, A. Introduction to Protein Science. Oxford University Press. 2004.

## BCHM3082

### Medical and Metabolic Biochemistry

#### Science

**Credit points:** 6 **Teacher/Coordinator:** Mrs Jill Johnston, Prof Philip Kuchel  
**Session:** Semester 2 **Classes:** Two 1 hour lectures per week and one 6 hour practical per fortnight. **Prerequisites:** MBLG (1001 or 1901) and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804. **Prohibitions:** BCHM3982, BCHM3002, BCHM3004, BCHM3902, BCHM3904 **Assessment:** One 2.5 hour exam, practical work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: BExSci/BSc(Nutrition) students successfully progressing through the combined degree meet the pre-requisites for this unit of study*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit of study will explore the biochemical processes involved in the operation of cells and how they are integrated in tissues and in the whole human body in normal and diseased states. These concepts will be illustrated by considering whole-body aspects of energy utilisation, fat and glycogen storage and their regulation under normal conditions compared to obesity and diabetes. Key concepts that will be discussed include energy balance, regulation of metabolic rate, control of food intake, tissue interactions in fuel selection, the role of adipose tissue and transport of fuel molecules from storage organs and into cells. Particular emphasis will be placed on how the modern concepts of metabolomics, coupled with new methods, including magnetic resonance techniques, molecular biology methods and microarray technologies, as well as studies of the structure and function of enzymes, have led to our current understanding of how metabolic processes are normally integrated and how they become deranged in disease states. The practical component is designed to complement the lecture course and will provide students with experience in a wide range of techniques used in modern medical and metabolic biochemistry.

## BCHM3092

### Proteomics and Functional Genomics

## Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Stuart Cordwell, Mrs Jill Johnston  
**Session:** Semester 2 **Classes:** Two 1 hour lectures per week and one 3 hour practical per week. **Prerequisites:** MBLG (1001 or 1901) and 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, including BMED2802 and BMED2804. **Prohibitions:** BCHM3992, BCHM3098 **Assessment:** One 2.5 hour exam, practical work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit of study will focus on the high throughput methods for the analysis of gene structure and function (genomics) and the analysis of proteins (proteomics), which are at the forefront of discovery in the biomedical sciences. The course will concentrate on the hierarchy of gene-protein-structure-function through an examination of modern technologies built on the concepts of genomics versus molecular biology, and proteomics versus biochemistry. Technologies to be examined include DNA sequencing, nucleic acid and protein microarrays, two-dimensional gel electrophoresis of proteins, uses of mass spectrometry for high throughput protein identification, isotope tagging for quantitative proteomics, high-performance liquid chromatography, high-throughput functional assays, affinity chromatography and modern methods for database analysis. Particular emphasis will be placed on how these technologies can provide insight into the molecular basis of changes in cellular function under both physiological and pathological conditions as well as how they can be applied to biotechnology for the discovery of biomarkers, diagnostics, and therapeutics. The practical component is designed to complement the lecture course and will provide students with experience in a wide range of techniques used in proteomics and genomics.

### Textbooks

Liebler, DC. Introduction to proteomics : tools for the new biology. Humana Press. 2002.

## BCHM3551

### Biochemistry Exchange

#### Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## BCHM3552

### Biochemistry Exchange

#### Science

**Credit points:** 12 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## BCHM3553

### Biochemistry Exchange

#### Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### BCHM3554

#### Biochemistry Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### BCHM3555

#### Biochemistry Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### BCHM3556

#### Biochemistry Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### BCHM3971

#### Molecular Biology & Biochem- Genes (Adv) Science

**Credit points:** 6 **Teacher/Coordinator:** Mrs Jill Johnston, Prof Merlin Crossley **Session:** Semester 1 **Classes:** Two 1 hour lectures per week and one 6 hour practical per fortnight. **Prerequisites:** MBLG (1001 or 1901) and Distinction in 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804. **Prohibitions:** BCHM3071, BCHM3001, BCHM3901 **Assessment:** One 2.5 hour exam, practical work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit of study is designed to provide a comprehensive coverage of the activity of genes in living organisms, with a focus on eukaryotic and particularly human systems. The lecture component covers the arrangement and structure of genes, how genes are expressed, promoter activity and enhancer action. This leads into discussions on the biochemical basis of differentiation of eukaryotic cells, the molecular basis of imprinting, epigenetics, and the role of RNA in gene expression. Additionally, the course discusses the effects of damage to the genome and mechanisms of DNA repair. The modern techniques for manipulating and analysing macromolecules such as DNA and proteins and their relevance to medical and biotechnological

applications are discussed. Techniques such as the generation of gene knockout and transgenic mice are discussed as well as genomic methods of analysing gene expression patterns. Particular emphasis is placed on how modern molecular biology and biochemical methods have led to our current understanding of the structure and functions of genes within the human genome. The practical course is designed to complement the lecture course and will provide students with experience in a wide range of techniques used in molecular biology laboratories.

The lecture component of this unit of study is the same as BCHM3071. Qualified students will attend seminars/practical classes in which more sophisticated topics in gene expression and manipulation will be covered.

#### Textbooks

Lewin, B. Genes IX. (9th edition, Jones & Bartlett, 2008)

### BCHM3972

#### Human Molecular Cell Biology (Advanced) Science

**Credit points:** 6 **Teacher/Coordinator:** Mrs Jill Johnston, Prof Iain Campbell **Session:** Semester 2 **Classes:** Two 1 hour lectures per week and one 6 hour practical per fortnight. **Prerequisites:** MBLG (1001 or 1901) and Distinction in 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/MBLG2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804. **Corequisites:** MBLG3999 **Prohibitions:** BCHM3072, BCHM3002, BCHM3004, BCHM3902, BCHM3904 **Assessment:** One 2.5 hour exam, practical work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit of study will explore the responses of cells to changes in their environment in both health and disease. The lecture course consists of four integrated modules. The first will provide an overview of the role of signalling mechanisms in the control of human cell biology and then focus on cell surface receptors and the downstream signal transduction events that they initiate. The second will examine how cells detect and respond to pathogenic molecular patterns displayed by infectious agents and injured cells by discussing the roles of relevant cell surface receptors, cytokines and signal transduction pathways. The third and fourth will focus on the life, death and differentiation of human cells in response to intra-cellular and extra-cellular signals by discussing the eukaryotic cell cycle under normal and pathological circumstances and programmed cell death in response to abnormal extra-cellular and intra-cellular signals. In all modules emphasis will be placed on the molecular processes involved in human cell biology, how modern molecular and cell biology methods have led to our current understanding of them and the implications of them for pathologies such as cancer. The practical component is designed to complement the lecture course, providing students with experience in a wide range of techniques used in modern molecular cell biology. The lecture component of this unit of study is the same as BCHM3072. Qualified students will attend seminars/practical classes in which more sophisticated topics in gene expression and manipulation will be covered.

#### Textbooks

Alberts, B. et al. Molecular biology of the cell. (5th edition. Garland Science. 2008).

### BCHM3981

#### Mol Biology & Biochemistry- Proteins Adv Science

**Credit points:** 6 **Teacher/Coordinator:** Mrs Jill Johnston, Dr Joel Mackay **Session:** Semester 1 **Classes:** Two 1 hour lectures per week and one 6 hour practical per fortnight. **Prerequisites:** MBLG (1001 or 1901) and Distinction in 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804. **Prohibitions:** BCHM3081, BCHM3001, BCHM3901 **Assessment:** One 2.5 hour exam, practical work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit of study is designed to provide a comprehensive coverage of the functions of proteins in living organisms, with a focus on eukaryotic and particularly human systems. Its lecture component deals with how proteins adopt their biologically active forms, including discussions of protein structure, protein folding and how recombinant DNA technology can be used to design novel proteins with potential medical or biotechnology applications. Particular emphasis is placed on how modern molecular biology and biochemical methods have led to our current understanding of the structure and functions of proteins. It also covers physiologically and medically important aspects of proteins in living systems, including the roles of chaperones in protein folding inside cells, the pathological consequences of misfolding of proteins, how proteins are sorted to different cellular compartments and how the biological activities of proteins can be controlled by regulated protein degradation. The practical course is designed to complement the lecture course and will provide students with experience in a wide range of techniques used in molecular biology and protein biochemistry laboratories.

The lecture component of this unit of study is the same as BCHM3081. Qualified students will attend seminars/practical classes in which more sophisticated topics in gene expression and manipulation will be covered.

#### Textbooks

Lesk, A. Introduction to Protein Science. Oxford University Press. 2004.

### BCHM3982

#### Medical and Metabolic Biochemistry (Adv) Science

**Credit points:** 6 **Teacher/Coordinator:** Mrs Jill Johnston, Prof Philip Kuchel  
**Session:** Semester 2 **Classes:** Two 1 hour lectures per week and one 6 hour practical per fortnight. **Prerequisites:** MBLG (1001 or 1901) and Distinction in 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804. **Prohibitions:** BCHM3082, BCHM3002, BCHM3004, BCHM3902, BCHM3904 **Assessment:** One 2.5 hour exam, practical work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit of study will explore the biochemical processes involved in the operation of cells and how they are integrated in tissues and in the whole human body in normal and diseased states. These concepts will be illustrated by considering whole-body aspects of energy utilisation, fat and glycogen storage and their regulation under normal conditions compared to obesity and diabetes. Key concepts that will be discussed include energy balance, regulation of metabolic rate, control of food intake, tissue interactions in fuel selection, the role of adipose tissue and transport of fuel molecules from storage organs and into cells. Particular emphasis will be placed on how the modern concepts of metabolomics, coupled with new methods, including magnetic resonance techniques, molecular biology methods and microarray technologies, as well as studies of the structure and function of enzymes, have led to our current understanding of how metabolic processes are normally integrated and how they become deranged in disease states. The practical component is designed to complement the lecture course and will provide students with experience in a wide range of techniques used in modern medical and metabolic biochemistry.

The lecture component of this unit of study is the same as BCHM3082. Qualified students will attend seminars/practical classes in which more sophisticated topics in gene expression and manipulation will be covered.

### BCHM3992

#### Proteomics and Functional Genomics (Adv) Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Stuart Cordwell, Mrs Jill Johnston  
**Session:** Semester 2 **Classes:** Two 1 hour lectures per week and one 3 hour practical per fortnight. **Prerequisites:** MBLG (1001 or 1901) and Distinction in 12 CP of Intermediate BCHM/MBLG units (taken from MBLG2071/2971 or BCHM2071/2971 or BCHM2072/2972) or 42CP of Intermediate BMedSc units, with Distinction in BMED2802 and BMED2804. **Prohibitions:** BCHM3092,

BCHM3098 **Assessment:** One 2.5 hour exam, practical work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit of study will focus on the high throughput methods for the analysis of gene structure and function (genomics) and the analysis of proteins (proteomics) which are at the forefront of discovery in the biomedical sciences. The course will concentrate on the hierarchy of gene-protein-structure-function through an examination of modern technologies built on the concepts of genomics versus molecular biology, and proteomics versus biochemistry. Technologies to be examined include DNA sequencing, nucleic acid and protein microarrays, two-dimensional gel electrophoresis of proteins, uses of mass spectrometry for high throughput protein identification, isotope tagging for quantitative proteomics, high-performance liquid chromatography, high-throughput functional assays, affinity chromatography and modern methods for database analysis. Particular emphasis will be placed on how these technologies can provide insight into the molecular basis of changes in cellular function under both physiological and pathological conditions as well as how they can be applied to biotechnology for the discovery of biomarkers, diagnostics, and therapeutics. The practical component is designed to complement the lecture course and will provide students with experience in a wide range of techniques used in proteomics and genomics.

The lecture component of this unit of study is the same as BCHM3092. Qualified students will attend seminars/practical classes in which more sophisticated topics in gene expression and manipulation will be covered.

#### Textbooks

Liebler, DC. Introduction to proteomics : tools for the new biology. Humana Press. 2002.

### BCHM4011

#### Biochemistry Honours A Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Entry into the School Honours program normally requires a credit average in a major relevant to the chosen project or relevant 24 credit points of senior study. The School will consider entry to students who do not have this requirement if their overall academic performance indicates an equivalent performance in other subject areas or if their SCIWAM exceeds 65.*

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Bioinformatics)(Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons), B Sc (Nutrition)(Hons).

Students enrolled in the Honours program study various advanced aspects of Biochemistry. The program may include lectures, tutorials, seminars and practicals. Students will undertake a research project. Assessment will include the project and may include examination and coursework.

### BCHM4012

#### Biochemistry Honours B Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** BCHM4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Entry into the School Honours program normally requires a credit average in a major relevant to the chosen project or relevant 24 credit points of senior study. The School will consider entry to students who do not have this requirement if their overall academic performance indicates an equivalent performance in other subject areas or if their SCIWAM exceeds 65.*

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Bioinformatics)(Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons), B Sc (Nutrition)(Hons).

See BCHM4011

### BCHM4013

#### Biochemistry Honours C



**Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** BCHM4012  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Entry into the School Honours program normally requires a credit average in a major relevant to the chosen project or relevant 24 credit points of senior study. The School will consider entry to students who do not have this requirement if their overall academic performance indicates an equivalent performance in other subject areas or if their SCIWAM exceeds 65.*

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Bioinformatics)(Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons), B Sc (Nutrition)(Hons).

See BCHM4011

**BCHM4014****Biochemistry Honours D  
Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** BCHM4013  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Entry into the School Honours program normally requires a credit average in a major relevant to the chosen project or relevant 24 credit points of senior study. The School will consider entry to students who do not have this requirement if their overall academic performance indicates an equivalent performance in other subject areas or if their SCIWAM exceeds 65.*

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Bioinformatics)(Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons), B Sc (Nutrition)(Hons).

See BCHM4011

**BHSC3013****Fieldwork Practicum  
Health Sciences**

**Credit points:** 4 **Teacher/Coordinator:** Dr Gary Lee **Session:** Semester 1, Semester 2 **Classes:** No classes: individual meetings with coordinator  
**Assessment:** Fieldwork report 3000 words (100%) **Practical field work:** Workplace attachment (3 weeks) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Hons), B Hlth Sci.

In this unit, students will undertake a three week workplace attachment during the inter-semester break assessing health issues. The focus of the workplace attachment will depend on the student's (preliminary) core elective academic stream including environmental and occupational health or toxicology or health promotion. Students will develop, prior to the attachment, an approved learning contract that specifies the learning goals, strategies and outcomes expected from the attachment. Identification and organisation of the workplace attachment is the responsibility of the student who must ensure all ethical and legal requirement for the workplace are satisfied before they commence. Students will meet during semester to discuss their fieldwork experiences. Students will submit a detailed report of the workplace attachment, analysing the experience and learning outcomes. This unit is only available in the third year (full-time equivalent) of the program and subject to the approval of the course coordinator.

**BHSC3014****Honours Research Proposal  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Dr Chin Moi Chow **Session:** Semester 2 **Classes:** No classes: individual meetings with research project supervisor  
**Assessment:** 3000 words (80%), seminar (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Hons).

This unit is designed to assist honours student with the development of their individual research project for completion in Year 4. At the completion of this unit of study the student will have prepared a written proposal for a research project and a student grant application and ethics application, if appropriate. The development of the proposal and applications are undertaken in collaboration with an academic

supervisor. This unit is compulsory for students who have been accepted into the honours program.

**BHSC4001****Honours Research Seminar 1  
Health Sciences**

**Credit points:** 3 **Session:** Semester 1 **Prerequisites:** BHSC3003 Honours Research Proposal or BHSC3014 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Hons).

Honours students undertake a research project in an area of specialised interest. Students will prepare and deliver a seminar on the progress of their research project to date, including a description of the research question, the process of investigation and a literature review.

**BHSC4002****Honours Research Seminar 2  
Health Sciences**

**Credit points:** 3 **Session:** Semester 2 **Prerequisites:** BHSC3003 Honours Research Proposal or BHSC3014 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Hons).

Honours students undertake a research project in an area of specialised interest. Students prepare and deliver a seminar on the progress of their research project to date with a focus on their findings and the implications of the findings.

**BHSC4003****Honours Thesis/Research Report A  
Health Sciences**

**Credit points:** 21 **Session:** Semester 1 **Corequisites:** BHSC4001 Honours Research Seminar 1 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Hons).

In this unit the student undertakes a research project in an approved topic area. The student implements, under the supervision of an academic staff member, the project designed in BHSC3003 Honours Research Proposal and submits either a thesis or a research report in a form suitable for submission to a refereed journal for publication. The choice of thesis or research report will be made in consultation with the student's academic supervisor.

**BHSC4004****Honours Thesis/Research Report B  
Health Sciences**

**Credit points:** 21 **Session:** Semester 2 **Corequisites:** BHSC4002 Honours Research Seminar 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Hons).

Honours students will complete their research project and submit either a thesis or research report in a form suitable for submission to a refereed journal for publication.

**BINF3101****Bioinformatics Project  
Science**

**Credit points:** 6 **Teacher/Coordinator:** A/Prof L Jermin, Dr M Charleston **Session:** Semester 2 **Classes:** Meeting with academic supervisor 1 hour per week & class meeting 1 hour per week. **Prerequisites:** INFO3402 and 12 credit points from Intermediate Biology, Molecular Biology and Genetics, Biochemistry, Microbiology, Pharmacology **Prohibitions:** COMP3206, BINF3001, INFO3600, SOFT3300, SOFT3600, SOFT3200, SOFT3700 **Assumed knowledge:** INFO2110 and (INFO1103 or INFO1903) **Assessment:** Individual presentation, oral examination and group report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit will provide students an opportunity to apply the knowledge and practice the skills acquired in the prerequisite and qualifying units, in the context of designing and building a substantial bioinformatics

application. Working in groups, students will carry out the full range of activities including requirements capture, analysis and design, coding, testing and documentation.

### BINF3551

#### Bioinformatics Exchange

##### Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### BIOL1001

#### Concepts in Biology

##### Science

**Credit points:** 6 **Session:** Semester 1, Summer Main **Classes:** Three 1 hour lectures and one 3 hour practical per week. **Prohibitions:** BIOL1911 or 1101 or 1901 **Assumed knowledge:** None. However, students who have not completed HSC Biology (or equivalent) are strongly advised to take the Biology Bridging Course (in February). **Assessment:** One 2.5 hour exam, assignments, quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: It is recommended that BIOL (1001 or 1911) be taken concurrently with all other Junior units of study in Biology. Students who have completed HSC Biology and scored 80+ should enrol in BIOL1911. Students who lack 80+ in HSC Biology but have a UAI of at least 93 may enrol in BIOL1911 with permission from the UEO. The completion of MBLG 1001 is highly recommended.*

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B Agr Ec, B An Vet Bio Sc, B Com, M B, B S, B E, B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M H I, B Hlth Sci, M Rehab Cing, B Hort Sc, B L W Sc, B Med Sc, B N, B N (I A H), B N, B A, B N, B Sc, B Res Ec, B Sc, B Sc (Bioin).

Concepts in Biology is an introduction to the major themes of modern biology. The unit emphasizes how biologists carry out scientific investigations, from the cellular/molecular level to the level of ecosystems. Topics covered in lectures and practicals include: introductory cell biology, with particular emphasis on how cells obtain and use energy; the diversity and biology of microorganisms; an introduction to molecular biology through the role of DNA in protein synthesis, including current developments in DNA technology; genetics or organisms; theories of evolution and phylogenetic analysis, and how they are used to interpret the origins of the diversity of modern organisms; and interactions between organisms in biological communities, with emphasis on Australian ecology.

*Textbooks*

Knox R B et al. Biology, 3rd ed. McGraw-Hill. 2005

### BIOL1002

#### Living Systems

##### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 3 hour practical per week. **Prohibitions:** BIOL1902 **Assumed knowledge:** HSC 2-unit Biology. Students who have not undertaken an HSC biology course are strongly advised to complete a Biology Bridging Course (in February). **Assessment:** One 2.5 hour exam, assignments, quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: It is recommended that BIOL (1001 or 1911) be taken before this unit of study. This unit of study, together with BIOL (1001 or 1911) provides entry to all Intermediate units of study in biology in the School of Biological Sciences.*

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B Agr Ec, B An Vet Bio Sc, B Com, M B, B S, B Hort Sc, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutri).

Living Systems deals with the biology of organisms, from bacteria to large plants and animals, and emphasises the ways in which they can live in a range of habitats. The importance of energy in living systems, and how elements are used and recycled in biological communities, are described. The unit of study includes lectures and laboratory

classes on the physiology of nutrition and growth, basic physiological processes of animals and plants, the ways in which organisms control and integrate their activities, and their reproduction. Finally applications of knowledge of genetics and ecology to practical problems in agriculture and conservation are introduced.

*Textbooks*

Knox R B et al. Biology. 3rd ed. McGraw-Hill. 2005

### BIOL1003

#### Human Biology

##### Science

**Credit points:** 6 **Session:** Semester 1, Summer Main **Classes:** Two 1 hour lectures per week (3 lectures in weeks 1 and 11). One 3 hour practical class and 6-9 hours HOnline work every two weeks covering online practical activities, prework and homework. **Prohibitions:** BIOL1903, EDUH1016. **Assumed knowledge:** HSC 2-unit Biology. Students who have not taken HSC biology are strongly advised to take the Biology Bridging Course in February. **Assessment:** One 2.5 hour exam, assignment, poster and quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: It is recommended that BIOL (1001 or 1911) be taken concurrently with this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B Agr Ec, B Com, M B, B S, B E, B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M H I, B Hlth Sci, M N, B Hlth Sci, M Rehab Cing, B Med Sc, B N, B N (I A H), B N, B A, B N, B Sc, B O H, B Pharm, B Pharm (Rural), B Res Ec, B Sc.

This Unit of Study has three main components: lectures, practicals and HOnline activities. The unit of study provides an introduction to human evolution and ecology, cell biology, physiology and anatomy, through lectures and practical work. The unit of study includes human nutrition, distribution of essential requirements to and from cells, control of body functions and defence mechanisms. After discussion of reproduction and development, it concludes with modern studies and research prospects in biotechnology and human genetics.

This unit of study, together with BIOL (1001 or 1911 or 1002 or 1902), or MBLG (1001 or 1901), provides entry to Intermediate units of study in Biology, but the contents of BIOL (1002 or 1902) is assumed knowledge for BIOL (2011 or 2012) and PLNT 2003, and students entering these units with BIOL (1003 or 1903) will need to do some preparatory reading.

*Textbooks*

Seeley, RR et al. 2005. Essentials of Anatomy and Physiology. 5th ed., McGraw Hill.

Mader, Sylvia. Human Biology 8th edition. McGraw Hill, (Chapters 19, 24, 26)

### BIOL1551

#### Biology Exchange

##### Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### BIOL1552

#### Biology Exchange

##### Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**BIOL1902****Living Systems (Advanced)  
Science**

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 3 hour practical per week. **Prerequisites:** UAI of at least 93 and HSC Biology result in the 90th percentile or better, or Distinction or better in a University level Biology unit, or by invitation. **Prohibitions:** BIOL1002, BIOL1904, BIOL1905 **Assessment:** One 2.5 hour exam, assignments, quizzes, independent project. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B Agr Ec, B An Vet Bio Sc, B Com, M B, B S, B Hort Sc, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), B Sc Agr.

This unit of study shares lectures and practical classes with BIOL1002 but also includes more demanding alternative components of Living Systems

*Textbooks*

As for BIOL1002.

**BIOL1903****Human Biology (Advanced)  
Science**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures per week (3 lectures in weeks 1 and 11). One 3 hour practical class and 6-9 hours HOnline work every two weeks covering online practical activities, prework and homework. **Prerequisites:** UAI of at least 93 and HSC Biology result in the 90+, or Distinction or better in a University level Biology unit, or by invitation. **Prohibitions:** BIOL1003, BIOL1904, EDUH1016 **Assessment:** One 2.5 hour exam, assignment, group project presentation, discussion activities and quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B Agr Ec, B Com, M B, B S, B Med Sc, B N, B N (I A H), B N, B A, B N, B Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program.

This unit of study is the same as BIOL1003 except for the addition of 3 special seminars from guest speakers, a three hour ethics and bioscience component and three student peer group case study presentations.

*Textbooks*

As for BIOL1003

**BIOL1911****Concepts in Biology (Advanced)  
Science**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 lectures & one 3 hrs prac/wk. **Prerequisites:** 80+ in HSC 2-unit Biology (or equivalent) or Distinction or better in a University level Biology unit, or by invitation. **Prohibitions:** BIOL (1001, 1101, 1901). **Assessment:** One 2.5hr exam, assignments, quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: It is recommended that BIOL (1001 or 1911) be taken concurrently with all other Junior units of study in Biology. The completion of MBLG1001 is highly recommended.*

**Associated degrees:** B Com, M B, B S, B Med Sc, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program.

Concepts in Biology (Advanced) builds on the main themes introduced in HSC Biology, with emphasis on current research in biology. Topics covered in lectures and practicals include: cell biology, with particular emphasis on how cells obtain and use energy; the diversity and biology of microorganisms; current developments in molecular biology, including recombinant DNA technology and the human genome project; inheritance, genetics and the origins of diversity of modern organisms; and interactions between organisms in biological communities, with emphasis on Australian ecology. Research-based lectures will expand on the general lecture topics and include current investigations of such diverse topic areas as cancer therapies, metabolic malfunction, anarchy in beehives, evolutionary studies of snake reproductive strategies, plant phylogeny and global environmental change.

*Textbooks*

As for BIOL1001.

**BIOL2011****Invertebrate Zoology  
Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr E May. **Session:** Semester 1 **Classes:** Two 1 hour lectures, one 1 hour tutorial and one 2 hour practical per week, or three 1 hour lectures and one 2 hour practical per week. **Prerequisites:** BIOL (1001 or 1911 or 1101 or 1901) and 6 additional credit points of Junior Biology (BIOL/MBLG/EDUH). 12 credit points of Junior Chemistry (or for students in the BSc[Marine Science] stream: 6 credit points of Junior Chemistry and 6 credit points of Junior Physics). **Prohibitions:** BIOL2911 **Assumed knowledge:** BIOL (1002 or 1902). **Assessment:** Mid-semester test, one 2 hour theory exam, one 1.5 hour prac exam, one essay, tutorial work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study may be taken alone, but when taken with BIOL2012 provides entry into certain Senior Biology units of study. The content of BIOL (1002 or 1902) is assumed knowledge and students entering without BIOL (1002 or 1902) will need to do some preparatory reading. The completion of 6 credit points of MBLG units of study is highly recommended.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This unit of study provides a thorough grounding in the diversity of animals by lectures and detailed laboratory classes, which include dissections and demonstrations of the functional anatomy of invertebrates. The material is presented within the conceptual framework of evolution and the principles and use of phylogeny and classification. Tutorials further explore concepts of phylogeny, animal structure and function, and provide opportunity to develop oral and written communication skills. The unit of study is designed to be taken in conjunction with BIOL2012 Vertebrates and their Origins; the two units of study together provide complete coverage of the diversity of animals at the level of phylum.

**BIOL2012****Vertebrates and their Origins  
Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr E L May **Session:** Semester 2 **Classes:** Two 1 hour lectures, one 1 hour tutorial and one 2 hour practical per week, or three 1 hour lectures and one 2 hour practical per week; one field trip. **Prerequisites:** BIOL (1001 or 1911 or 1101 or 1901) and 6 additional credit points of Junior Biology (BIOL/MBLG/EDUH). 12 credit points of Junior Chemistry (or for students in the BSc[Marine Science] stream: 6 credit points of Junior Chemistry and 6 credit points of Junior Physics). **Prohibitions:** BIOL 2912. **Assumed knowledge:** The content of BIOL (1002 or 1902) is assumed knowledge and students who have not completed BIOL (1002 or 1902) will need to do some preparatory reading. **Assessment:** Mid-semester test, one 2 hour theory exam, one 1.5 hour prac exam, one assignment, one essay, tutorial work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study may be taken alone, but when taken with BIOL2011 provides entry into certain Senior Biology units of study. The completion of MBLG1001 is highly recommended.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This unit of study completes the grounding in the diversity of animals at the level of phylum introduced in BIOL2011 Invertebrate Zoology, by lectures and detailed laboratory classes, which include dissections and demonstrations of the functional anatomy of vertebrates and invertebrate phyla not covered in BIOL2011. Tutorials further explore concepts of phylogeny, animal structure and function, and provide opportunity to develop oral and written communication skills. Students may choose to attend an intensive 3.5 day field trip, which takes place in the July break preceding Semester 2.

**BIOL2016****Cell Biology  
Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Murray Thomson. **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** 12 credit points of Junior Biology or equivalent, e.g. any combination of 2 units made from the following options, BIOL (1001 or 1101 or 1901 or 1911), BIOL (1002 or 1902), BIOL (1003 or 1903), BIOL (1904 or 1905), MBLG (1001 or 1901), EDUH1016, and 12 credit points of Junior Chemistry. For students in the BSc (Marine Science) 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. **Prohibitions:** BIOL2916. **Assessment:** One 3 hour theory

exam, one project assignment, one prac report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: The completion of MBLG1001 is highly recommended.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This unit of study focuses on contemporary principles in cell biology and development in plant and animals, with emphasis on cellular functions and favouring the molecular perspective. Topics include cancer and control of cell division and migration, pre-programmed cell death, molecular signaling and transport systems, cellular endocrinology and embryonic development. The practical component provides students with hands-on training in key industry techniques using modern equipment and is therefore of immense benefit to students contemplating honours study or a career in molecular and cellular research. The unit of study is designed to complement intermediate Molecular Biology and Genetics units and leads ideally to various senior units of study in biology, including Plant Growth & Development, Applications of Recombinant DNA Technology, Evolutionary Genetics & Animal Behaviour, Fungi in the Environment, Animal Physiology, Bioinformatics and Genomics, as well as senior units of study in biochemistry.

#### Textbooks

Alberts B, Johnson A, Lewis J, Raff M, Roberts K, Walter P. 2002. Molecular Biology of the Cell. 4th Edition. Garland Science.

### BIOL2017 Entomology Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Dieter Hochuli **Session:** Semester 2 **Classes:** Two 1 hour lecture and one 3 hour practical per week. **Prerequisites:** BIOL (1001 or 1911 or 1101 or 1901 ) and 6 additional credit points of Junior Biology (BIOL/MBLG/EDUH). 12 credit points of Junior Chemistry (or for BSc (Marine Science) students 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics). **Prohibitions:** BIOL2917. **Assumed knowledge:** BIOL (2011 or 2911). **Assessment:** Two hour theory exam, two practical reports, spot test, review and an insect collection. **Practical field work:** The practical classes give students a working knowledge of the major orders of insects and species of importance, as well as principles of collection, preservation and identification. Project work considers forensic entomology, learning in social insects and insect behaviour. Field trips to the Australian Museum and Taronga Zoo will also consider insect husbandry and the role of insects in education. There will also be an introduction to entomological databases and an assignment that involves the making and presentation of a small collection of insects. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This is a general but comprehensive introduction to Insect Biology taught in 3 integrated modules. The first module examines morphology, classification, life histories and development, physiology, ecology, behaviour, conservation, and the biology of prominent members of major groups. The other two modules examine new developments in entomological research, focusing on research strengths at the University of Sydney, the biology of social insects and insect behaviour.

### BIOL2018 Introduction to Marine Biology Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Adele Pile. **Session:** Semester 2 **Classes:** 2x1hr lectures per week, 6x1hr tutorials, 1x8hr field trip, 3x4hr field trips and 1x3hr practical. **Prerequisites:** BIOL (1001 or 1911 or 1101 or 1901) and 6 additional credit points of Junior Biology (BIOL/MBLG/EDUH). 12 credit points of Junior Chemistry (or for BSc (Marine Science) students 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics). **Prohibitions:** BIOL2918, MARS (2006 or 2906 or 2007 or 2907). **Assumed knowledge:** 12 credit points of Junior Biology; MARS2005. **Assessment:** Two hour theory exam, four written reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This unit will describe some of the ways in which the properties of the oceans affect marine organisms. It also introduces coral reefs and other marine ecosystems, together with their productivity, biological oceanography, the reproductive biology of marine organisms, and marine biological resources. The practical elements will provide the core skills and techniques that will equip students to perform laboratory and field studies in marine biology. The unit will introduce appropriate methodologies for the collection, handling and analysis of data; the scientific principles underlying experimental design; and the effective communication of scientific information.

#### Textbooks

Castro, P. and Humber, M. 2007. Marine Biology 4th Ed. McGraw-Hill Higher Education, Sydney.

### BIOL2554 Biology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### BIOL2555 Biology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### BIOL2556 Biology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### BIOL2557 Biology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### BIOL2911 Invertebrate Zoology (Advanced)

**Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr E May **Session:** Semester 1  
**Classes:** See BIOL2011 **Prerequisites:** Distinction average in BIOL (1001 or 1911 or 1101 or 1901) and 6 additional credit points of Junior Biology (BIOL/MBLG/EDUH). 12 credit points of Junior Chemistry (or for students in BSc[Marine Science] stream: 6 credit points of Junior Chemistry and 6 credit points of Junior Physics). These requirements may be varied and students with lower averages should consult the Unit Executive Officer **Prohibitions:** BIOL2011. **Assumed knowledge:** BIOL (1002 or 1902). **Assessment:** See BIOL2011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: The completion of 6 credit points of MBLG units of study is highly recommended.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

Qualified students will participate in alternative components of BIOL2011 Invertebrate Zoology. The content and nature of these components may vary from year to year.

**BIOL2912****Vertebrates and their Origins (Advanced)****Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr E May **Session:** Semester 2  
**Classes:** See BIOL2012 **Prerequisites:** Distinction average in BIOL (1001 or 1911 or 1101 or 1901) and 6 additional credit points of Junior Biology (BIOL/MBLG/EDUH). 12 credit points of Junior Chemistry (or for students in BSc[Marine Science] stream: 6 credit points of Junior Chemistry and 6 credit points of Junior Physics). These requirements may be varied and students with lower averages should consult the Unit Executive Officer **Prohibitions:** BIOL2012. **Assumed knowledge:** The content of BIOL (1002 or 1902) is assumed knowledge and students who have not completed BIOL (1002 or 1902) will need to do some preparatory reading. **Assessment:** See BIOL2012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: The completion of MBLG1001 is highly recommended.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

Qualified students will participate in alternative components of BIOL2012 Vertebrates and their Origins. The content and nature of these components may vary from year to year.

**BIOL2916****Cell Biology (Advanced)****Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Murray Thomson. **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** Distinction average in 12 credit points of Junior Biology or equivalent, e.g. any combination of 2 units made from the following options, BIOL (1001 or 1101 or 1901 or 1911), BIOL (1002 or 1902), BIOL (1003 or 1903), BIOL (1904 or 1905), MBLG (1001 or 1901), EDUH1016, and 12 credit points of Junior Chemistry. For students in the BSc (Marine Science) 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics. **Prohibitions:** BIOL2016. **Assessment:** One 3 hour exam, one practical report and one project assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: The completion of MBLG1001 is highly recommended.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

Qualified students will participate in alternative components of BIOL2016 Cell Biology.

*Textbooks*

As for BIOL2016

**BIOL2917****Entomology (Advanced)****Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Dieter Hochuli. **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour practical per week. **Prerequisites:** Distinction average in BIOL (1001 or 1911 or 1101 or 1901) and 6 additional credit points of Junior Biology (BIOL/MBLG/EDUH). 12 credit points of Junior Chemistry (or for BSc (Marine Science) students: 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics). These requirements may be varied and students with lower averages should consult the Unit Executive Officer. **Prohibitions:**

BIOL2017. **Assumed knowledge:** BIOL (2011 or 2911). **Assessment:** Two hour theory exam, two practical reports, spot test, review and an insect collection. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

Qualified students will participate in alternative components of BIOL2017, Entomology. The content and nature of these components may vary from year to year.

**BIOL2918****Introduction to Marine Biology (Adv)****Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Adele Pile. **Session:** Semester 2 **Classes:** 2x1hr lectures per week. 6x1hr tutorials, 1x8hr field trip, 3x4hr field trips and 1x3hr practical. **Prerequisites:** Distinction average in BIOL (1001 or 1911 or 1101 or 1901) and 6 additional credit points of Junior Biology (BIOL/MBLG/EDUH). 12 credit points of Junior Chemistry (or for BSc (Marine Science) students 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics). These requirements may be varied and students with lower averages should consult the Unit Executive Officer. **Prohibitions:** BIOL2018, MARS (2006 or 2906 or 2007 or 2907). **Assumed knowledge:** 12 credit points of Junior Biology; MARS2005. **Assessment:** Two hour theory exam, four written reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Entry is restricted and selection is made from applicants on the basis of previous performance.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This unit has the same objectives as BIOL2018, Introduction to Marine Biology, and is suitable for students wishing to pursue aspects from the unit in greater depth. Students taking this unit will participate in alternatives to some elements of the ordinary level course and will be required to pursue the unit objectives by more independent means. Specific details of the unit will be announced in meetings, during the first week of teaching.

*Textbooks*

As for BIOL2018

**BIOL3006****Ecological Methods****Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Clare McArthur (UEO) **Session:** Semester 1 **Classes:** Two 1 hour lecture and one 3 hour laboratory per week. **Prerequisites:** 12 credit points of Intermediate Biology; or 6 credit points of Intermediate BIOL units and ENVI2111 or MARS2006; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3906, MARS3102 **Assumed knowledge:** BIOL (2011 or 2911 or 2012 or 2912) or PLNT (2002 or 2902). **Assessment:** One 2 hour exam 40%, practical assignments (including calculations, reports and reviews) 60%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This unit will consider ecology as a quantitative, experimental and theoretical science. It is concerned with the practical skills and philosophical background required to explore questions and test hypotheses in the real world. Application of ecological methods and theory to practical problems will be integrated throughout the unit of study. Lectures will focus on sound philosophical and experimental principles, drawing on real examples for demonstration of concepts, and will be useful as one basis for informed conservation and management of natural populations and habitats. Practical methods will include effective samplings, determining patterns of distribution and abundance, estimating ecological variables, and statistical analysing field data. Computer simulations and analyses will be used where appropriate.

*Textbooks*

Dytham, C. 2003. Choosing and using statistics. A biologist's guide. 2nd edition. Blackwell Science. Melbourne.

Field, A. 2005. Discovering statistics using SPSS. 2nd edition. SAGE Publications, London.

Quinn, GP and Keough, MJ. 2002. Experimental Design and Data Analysis for Biologists. 1st edition. Cambridge University Press. Cambridge.  
Underwood, AJ. 1997. Experiments in Ecology: their logical design and interpretation using analysis of variance. Cambridge University Press. Cambridge.

### BIOL3007 Ecology Science

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Ross Coleman **Session:** Semester 2 **Classes:** Two 1 hour lecture and one 3 hour laboratory per week **Prerequisites:** 12 credit points of Intermediate Biology; or 6 credit points of Intermediate BIOL, and ENVI2111 or MARS2006; or 12 credit points of MARS units, including MARS2006 **Prohibitions:** BIOL3907, MARS3102 **Assumed knowledge:** Although not prerequisites, knowledge obtained from BIOL3006/3906, and BIOL3008/3908 and/or BIOL3009/3909, is strongly recommended. **Assessment:** One 2hr exam, presentations, essay, project report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B An Vet Bio Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This unit explores the dynamics of ecological systems, and considers the interactions between individual organisms and populations, organisms and the environment, and ecological processes. Lectures are grouped around four dominant themes: Interactions, Evolutionary Ecology, The Nature of Communities, and Conservation and Management. Emphasis is placed throughout on the importance of quantitative methods in ecology, including sound planning and experimental designs, and on the role of ecological science in the conservation, management, exploitation and control of populations. Relevant case studies and examples of ecological processes are drawn from marine, freshwater and terrestrial systems, with plants, animals, fungi and other life forms considered as required. Students will have some opportunity to undertake short term ecological projects, and to take part in discussions of important and emerging ideas in the ecological literature.

#### Textbooks

Ecology: an Australian Perspective (2003) Edited by P. Attiwill and B. Wilson. Oxford University Press.

### BIOL3008 Marine Field Ecology Science

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Ross Coleman **Session:** S2 Intensive **Classes:** Intensive 8 day-field course held in the pre-semester break. **Prerequisites:** 12 credit points of Intermediate Biology; or 6 credit points of Intermediate BIOL and ENVI2111 or MARS2006; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3908, MARS3102. **Assumed knowledge:** BIOL (3006 or 3906). Prior completion of one of these units is very strongly recommended. **Assessment:** Discussion groups, research project proposal, biodiversity survey report, data analysis and checking, research project report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Dates: 2 - 9 July 2009.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This field course provides a practical introduction to the experimental analysis of marine populations and assemblages. Students gain experience using a range of intertidal sampling techniques and develop a detailed understanding of the logical requirements necessary for manipulative ecological field experiments. No particular mathematical or statistical skills are required for this subject. Group experimental research projects in the field are the focus of the unit during the day, with lectures and discussion groups about the analysis of experimental data and current issues in experimental marine ecology occurring in the evening.

**Note:** Successful completion of BIOL3008/3908 and BIOL3007/3907 is a prerequisite for students wishing to proceed to Honours in Marine Ecology.

#### Textbooks

No textbook is prescribed but Coastal Marine Ecology of Temperate Australia. Eds. Underwood, A.J. & Chapman, M.G. 1995. University of New South Wales Press, provides useful background reading.

### BIOL3009 Terrestrial Field Ecology Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Glenda Wardle **Session:** S2 Intensive **Classes:** One 6 day field trip held in the pre-semester break, and 4 practical classes during weeks 1-4 in Semester 2. **Prerequisites:** 12 credit points of Intermediate Biology or ANSC2004 and BIOM2001. **Prohibitions:** BIOL3909 **Assumed knowledge:** BIOL (3006 or 3906). Prior completion of one of these units is very strongly recommended. **Assessment:** Discussions and quiz (10%), research project proposal and brief presentation (10%), sampling project report (20%), specimen collection (10%), research project report (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: One 6 day field trip held in the pre-semester break (19 - 24 July 2009) and 4 practical classes during weeks 1-4 in Semester 2.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B An Vet Bio Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This field course provides practical experience in the experimental analysis of terrestrial populations and assemblages. Students learn a broad range of ecological sampling techniques and develop a detailed understanding of the logical requirements necessary for manipulative ecological field experiments. The field work incorporates survey techniques for plants, small mammals and invertebrates and thus provides a good background for ecological consulting work. Students attend a week-long field course and participate in a large-scale research project as well as conducting their own research project. Invited experts contribute to the lectures and discussions on issues relating to the ecology, conservation and management of Australia's terrestrial flora and fauna.

### BIOL3010 Tropical Wildlife Biology and Management Science

**Credit points:** 6 **Session:** S1 Intensive **Classes:** 5 day Field School, followed by 5 days of classes at Sydney University. **Prerequisites:** 12 credit points of Intermediate Biology (BIOL/ENVI/PLNT). **Prohibitions:** BIOL3910 **Assumed knowledge:** None, although BIOL2011/2911 would be useful. **Assessment:** One 2 hour exam, one 1 hour practical exam, a 2000 word practical, a 15 min oral presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Dates: 15 February - 20 February 2009 Northern Territory, followed by tutorials and practical classes at the University of Sydney 23 February - 27 February 2009.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B An Vet Bio Sc, B Ed (Sec), B Sc, B Ed (Sec:Science), B Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

Due to its isolation from the rest of the world and unique evolutionary history, the Australian terrestrial vertebrate fauna (amphibians, reptiles, birds and mammals) is highly unusual, and hence has a lot to offer in the study of evolutionary processes. The rarity of some species and Australia's unusual climate and landforms present special challenges for the management of our native wildlife. This unit of study addresses the evolution, ecology and management of Australia's terrestrial fauna. The subject comprises a five-day field course in the Northern Territory, near Darwin, where students will learn field-based techniques in wildlife management, combined with lectures given by experts in the evolution, ecology and management of wildlife.

### BIOL3011 Ecophysiology Science

**Credit points:** 6 **Teacher/Coordinator:** UEO A/Prof Seebacher **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour laboratory per week. **Prerequisites:** 12 credit points of Intermediate Biology; or 6 credit points of Intermediate BIOL and ENVI2111 or MARS2006; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3911 **Assumed knowledge:** BIOL (2012 or 2912 or 2016 or 2916) or PLNT (2003 or 2903). **Assessment:** One 1.5 hour exam, field trip seminar, laboratory report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: The completion of 6 credit points of MBLG units is highly recommended.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

Ecophysiology is a conceptually based unit of study that covers physiological interactions between organisms and their environments. The unit focuses on the evolution of physiological capacities and how these may explain the ecology and biogeography of organisms. Lectures are based on the current primary literature. Lecturers have active research programs on the topics they cover and will present original research findings where appropriate. Examples are mainly from insects, vertebrates, and marine organisms. As part of the practical component, students design their own original research projects to be conducted during a week-end long field trip, and during self-directed laboratory sessions.

### BIOL3012 Animal Physiology Science

**Credit points:** 6 **Teacher/Coordinator:** Dr M Thomson **Session:** Semester 1 **Classes:** Two 1 hour lectures, one 4 hour laboratory per week. **Prerequisites:** 12 credit points of Intermediate Biology including BIOL (2012 or 2912 or 2016 or 2916) or PLNT (2003 or 2903) **Prohibitions:** BIOL3912 **Assessment:** One 1.5 hour exam, laboratory/library reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: The completion of 6 credit points of MBLG units is highly recommended.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

In this unit of study students explore how animal physiology is influenced by environmental factors. There is a strong emphasis on how modern research is expanding the field of physiology throughout a diverse array of vertebrates and invertebrates and the unit is designed to complement Ecophysiology. Particular emphasis will be placed on nutrition, animal behaviour, energy metabolism, endocrinology and neurobiology, as well as more exotic animal physiology such as electro-reception in sharks and infra-red detection of prey in snakes.

### BIOL3013 Marine Biology Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Adele Pile **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour laboratory per week. **Prerequisites:** 12 credit points of Intermediate Biology, or 6 credit points of Intermediate BIOL and ENVI2111 or MARS2006; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3913 **Assumed knowledge:** BIOL 2018 or MARS2006 **Assessment:** Practical reports, paper criticisms and other assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: The completion of 6 credit points of MBLG units is highly recommended.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

We will examine in detail processes that are important for the establishment and maintenance of marine communities. Lectures will expose students to the key ideas, researchers and methodologies within selected fields of marine biology. Laboratory sessions will complement the lectures by providing students with hands-on experience with the organisms and the processes that affect them. Students will develop critical analysis skills while examining the current literature.

### BIOL3017 Fungi in the Environment Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Peter McGee **Session:** S1 Intensive **Classes:** 40 hours of practicals in a two week intensive program held immediately prior to semester one (laboratory component each morning from 16-27 February 2009), plus the equivalent of 30 hours self-guided study during the semester. **Prerequisites:** 12 credit points of Intermediate Biology, or 6 credit points of Intermediate Biology and 6 Intermediate credit points of either Microbiology or Geography. **Prohibitions:** BIOL3917 **Assessment:** One 2 hour take home exam, laboratory and written assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Dates: 16-27 February 2009. The completion of 6 credit points of MBLG units is highly recommended.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

The unit is designed to develop understanding of fungal ecology in relation to environmental and rehabilitation biology, biological control of pests and pathogens, and soil microbiology. Emphasis will be placed on the function of fungi, and the benefit provided by fungi in symbiotic interactions with plants, including mycorrhizal fungi and shoot-borne endophytes. Physiological and ecological implications of the interactions will also be considered. Each student will design and implement a research project. Analytical thinking and research-led activity will be encouraged. Using broad scientific approaches, each student will gain the capacity to work cooperatively to find and analyse information from primary sources, develop approaches to test their understanding, and to present their work in a scientifically acceptable manner. Students will develop a deeper understanding of one area of fungal biology through independent study. Part of the learning material will be available on the internet.

### BIOL3018 Applications of Recombinant DNA Tech Science

**Credit points:** 6 **Teacher/Coordinator:** Dr B Lyon **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; up to 4 hours laboratory per week. **Prerequisites:** 12 credit points from MBLG (2071/297), MBLG (2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including BMED 2802. **Prohibitions:** BIOL3918 **Assessment:** One 2 hour exam, practical reports, assignment/seminar **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

A unit of study with lectures, practicals and tutorials on the application of recombinant DNA technology and the genetic manipulation of prokaryotic and eukaryotic organisms. Lectures cover the applications of molecular genetics in biotechnology and consider the impact and implications of genetic engineering. Topics include the cloning and expression of foreign genes in bacteria, yeast, animal and plant cells, novel human and animal therapeutics and vaccines including human gene therapy, new diagnostic techniques for human and veterinary disease, the transformation of animal and plant cells, the genetic engineering of animals and plants, and the environmental release of genetically-modified (transgenic) organisms. Practical work may include nucleic acid isolation and manipulation, gene cloning and PCR amplification, DNA sequencing and computer analysis of gene sequences, immunological detection of proteins, and the genetic transformation and assay of plants.

### BIOL3025 Evolutionary Genetics & Animal Behaviour Science

**Credit points:** 6 **Teacher/Coordinator:** Prof Oldroyd, A/Prof Beekman. **Session:** Semester 2 **Classes:** Two 1 hour lectures and up to 4 hours laboratory per week. **Prerequisites:** 12 credit points from (MBLG 2071/2971), MBLG (2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including BMED2802. **Prohibitions:** BIOL3925 **Assessment:** One 1.5 hour exam, assignments, seminar **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

The unit of study covers the main themes of modern evolutionary theory including population genetics. In the practicals, students use molecular methods to quantify genetic variation in natural populations. Using these skills we will search for population subdivision and discuss how this can lead to speciation. Lectures will cover how the evolution of traits can be tracked using the comparative method. We will consider how studies of sex ratios, sexual selection, kin selection, game theory and quantitative genetics can illuminate the mechanisms by which animals have evolved, and explain why they behave as they do. We



will then consider if these themes have any relevance to human sociobiology. The unit also covers the role of genetics in conservation. There will be a field trip to collect organisms for population genetic analysis. There will be plenty of opportunity in the student seminars to examine the more controversial aspects of modern evolutionary thought.

### BIOL3026

#### Developmental Genetics Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Saleeba **Session:** Semester 2  
**Classes:** Two 1 hour lectures and up to 3 hours laboratory per week.  
**Prerequisites:** 12 credit points from MBLG (2071/2971) and MBLG (2072/2972). For BMedSc students: 36 credit points of Intermediate BMED units including BMED2802. **Prohibitions:** BIOL3926 **Assessment:** One 2 hour exam, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This unit discusses current understanding of developmental genetics with emphasis on molecular genetics. The developmental genetics of model plants and animals will be investigated. In particular, the molecular genetics of vertebrate development, pattern formation and gene expression, the study of mutants in development, plant specific processes such as root formation and flowering, will be covered making reference to modern techniques such as transgenics, recombinant DNA technology, and tissue-specific expression analysis. Various methods of genetic mapping will be covered. Practical work complements the theoretical aspects and develops important genetical skills.

### BIOL3027

#### Bioinformatics and Genomics Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Firth **Session:** Semester 1  
**Classes:** Two 1 hour lectures and up to 3 hours laboratory per week.  
**Prerequisites:** 12 credit points from MBLG (2071/2971), MBLG (2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including BMED 2802. **Prohibitions:** BIOL3927 **Assessment:** One 2 hour exam, assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B An Vet Bio Sc, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

A unit of study comprising lectures, practical assignments and tutorials on the application of bioinformatics to the storage, retrieval and analysis of biological information, principally in the form of nucleotide and amino acid sequences. Although the main emphasis is on sequence data, other forms of biological information are considered. The unit begins with the assembly and management of nucleotide sequence data and an introduction to the databases that are normally used for the storage and retrieval of biological data, and continues with signal detection and analysis of deduced products, sequence alignment, and database search methods. Phylogenetic reconstruction based on distance-based methods, parsimony methods and maximum-likelihood methods is described and students are introduced to the idea of tree-space, phylogenetic uncertainty, and taught to evaluate phylogenetic trees and identify factors that will confound phylogenetic inference. Finally, whole genome analysis and comparative genomics are considered. The unit gives students an appreciation of the significance of bioinformatics in contemporary biological science by equipping them with skills in the use of a core set of programs and databases for "in silico" biology, and an awareness of the breadth of bioinformatics resources and applications.

### BIOL3551

#### Biology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester

2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### BIOL3552

#### Biology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### BIOL3553

#### Biology Exchange Science

**Credit points:** 12 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### BIOL3554

#### Biology Exchange Science

**Credit points:** 12 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### BIOL3555

#### Biology Exchange Science

**Credit points:** 12 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### BIOL3556

#### Biology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day



*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### **BIOL3557 Biology Exchange Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### **BIOL3906 Ecological Methods (Advanced) Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Clare McArthur (UEO) **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour laboratory per week **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology; or 6 credit points of Intermediate BIOL and ENVI2111 or MARS2006; or 12 credit points of Intermediate MARS units, including MARS2006. These requirements may be varied and students with lower averages should consult the Unit Executive Officer. **Prohibitions:** BIOL3006, MARS3102 **Assumed knowledge:** BIOL (2011 or 2911 or 2012 or 2912) or PLNT (2002 or 2902). **Assessment:** One 2 hour exam 40%, practical assignments (including calculations, reports and reviews) 60%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This unit has the same objectives as BIOL3006 Ecological Methods, and is suitable for students who wish to pursue certain aspects in greater depth. Entry is restricted, and selection is made from the applicants on the basis of their previous performance. Students taking this unit of study will participate in alternatives to some elements of the standard course and will be required to pursue the objectives by more independent means. Specific details of this unit of study and assessment will be announced in meetings with students in week 1 of semester 1. This unit of study may be taken as part of the BSc (Advanced) program.

*Textbooks*  
As for BIOL3006

### **BIOL3907 Ecology (Advanced) Science**

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Ross Coleman (UEO) **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour laboratory per week. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology; or 6 credit points of Intermediate BIOL and ENVI2111 or MARS2006; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3007, MARS3102 **Assumed knowledge:** Although not prerequisites, knowledge obtained from BIOL3006/3906, and BIOL3008/3908 and/or BIOL3009/3909, is strongly recommended. Students entering this unit of study should have achieved Distinction average. **Assessment:** One 2hr exam, presentations, essay, project report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This unit has the same objectives as BIOL3007 Ecology, and is suitable for students who wish to pursue certain aspects in greater depth. Entry is restricted, and selection is made from the applicants on the basis of their previous performance. Students taking this unit of study will participate in alternatives to some elements of the standard course and will be required to pursue the objectives by more

independent means. Specific details of this unit of study and assessment will be announced in meetings with students in week 1 of semester 2. This unit of study may be taken as part of the BSc (Advanced) program.

*Textbooks*  
As for BIOL3007

### **BIOL3908 Marine Field Ecology (Advanced) Science**

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Ross Coleman. **Session:** S2 Intensive **Classes:** One 8 day field course held in the pre-semester break, plus four 1 hour tutorials during semester 2. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology; or 6 credit points of Intermediate Biology and ENVI2111 or MARS2006; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:** BIOL3008, MARS3102. **Assumed knowledge:** BIOL (3006 or 3906). Prior completion of one of these units is very strongly recommended. **Assessment:** Discussion groups, research project proposal, biodiversity report, data analysis and checking, research project report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Dates: 2 - 9 July 2009. Plus four 1 hour tutorials during semester 2.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This unit has the same objectives as Marine Field Ecology BIOL3008, and is suitable for students wishing to pursue certain aspects of marine field ecology in a greater depth. Entry is restricted and selection is made from applicants on the basis of past performance. Students taking this unit of study will be expected to take part in a number of additional tutorials after the field course on advanced aspects of experimental design and analysis and will be expected to incorporate these advanced skills into their analyses and project reports. This unit may be taken as part of the BSc(Advanced).

*Note:* Successful completion of BIOL3008/3908 and BIOL3007/3907 is a prerequisite for students wishing to proceed to Honours in Marine Ecology.

*Textbooks*  
As for BIOL 3008.

### **BIOL3909 Terrestrial Field Ecology (Advanced) Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Glenda Wardle. **Session:** S2 Intensive **Classes:** 6 day field trip held in the pre-semester break and 4 practical classes during weeks 1-4 in Semester 2. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology or ANSC2004 and BIOM2001 **Prohibitions:** BIOL3009. **Assumed knowledge:** BIOL (3006 or 3906). Prior completion of one of these units is very strongly recommended. **Assessment:** Discussions and quiz (10%), research project proposal and brief presentation (10%), sampling project report (20%), specimen collection (10%), research project report (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: One 6 day field trip held in the pre-semester break (19 - 24 July 2009) and 4 practical classes during weeks 1-4 in Semester 2.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This unit has the same objectives as BIOL3009 Terrestrial Field Ecology, and is suitable for students who wish to pursue certain aspects in greater depth. Entry is restricted, and selection is made from applicants on the basis of previous performance. Students taking this unit of study will complete an individual research project on a topic negotiated with a member of staff. It is expected that much of the data collection will be completed during the field trip but some extra time may be needed during semester 2. Specific details of this unit of study and assessment will be announced in meetings with students at the beginning of the unit. This unit of study may be taken as part of the BSc (Advanced) program.

### **BIOL3910 Tropical Wildlife Biol & Management Adv**

## Science

**Credit points:** 6 **Session:** S1 Intensive **Classes:** 5 day Field School followed by 5 days of classes at Sydney University. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology (BIOL/ENVI/PLNT). **Prohibitions:** BIOL3010 **Assumed knowledge:** None, although Vertebrates and their Origins would be useful. **Assessment:** One 2 hour exam, one 1 hour practical exam, a 2000 word practical report, one 15 min oral presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: 0*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This unit has the same objectives as BIOL3010 Tropical Wildlife Biology and Management, and is suitable for students who wish to pursue certain aspects in greater depth. Entry is restricted, and selection is made from the applicants on the basis of their previous performance. Students taking this unit of study will participate in alternatives to some elements of the standard course and will be required to pursue the objectives by more independent means. Specific details of this unit of study and assessment will be announced in meetings with students at the beginning of the unit. This unit of study may be taken as part of the BSc(Advanced) program.

### BIOL3911

#### Ecophysiology (Advanced)

##### Science

**Credit points:** 6 **Teacher/Coordinator:** UEO A/Prof Seebacher **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour laboratory per week. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology; or 6 credit points of Intermediate BIOL and ENVI2111 or MARS2006; or 12 credit points of Intermediate MARS units, including MARS2006. These requirements may be varied and students with lower averages should consult the Unit Executive Officer. **Prohibitions:** BIOL3011 **Assumed knowledge:** BIOL (2012 or 2912 or 2016 or 2916) or PLNT (2003 or 2903) **Assessment:** One 1.5 hour exam, field trip seminar, independent project report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: The completion of 6 credit points of MBLG units is highly recommended.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

Ecophysiology (Advanced) shares the same lectures as BIOL 3011 Ecophysiology, but it includes an independent project in place of the laboratory report (equivalent of 30% of Ecophysiology). The content and nature of the independent project varies and students are encouraged to design their own project.

### BIOL3912

#### Animal Physiology (Advanced)

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Dr M Thomson **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour laboratory per week. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology including BIOL (2012 or 2912 or 2016 or 2916) or PLNT (2003 or 2903). These requirements may be varied and students with lower averages should consult the Unit Executive Officer. **Prohibitions:** BIOL3012 **Assessment:** One 1.5 hour exam, laboratory reports, independent project report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: The completion of 6 credit points of MBLG units is highly recommended.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

Animal Physiology (Advanced) shares the same lectures as Animal Physiology, but it includes an independent project in place of one or more components of the laboratory classes to the equivalent of 30% of Animal Physiology. The content and nature of the independent project may vary from year to year.

### BIOL3913

#### Marine Biology (Advanced)

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Adele Pile **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour laboratory per week. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology; or 6 credit points of Intermediate BIOL and ENVI2111 or MARS2006; or 12 credit points of Intermediate MARS units, including MARS2006. **Prohibitions:**

BIOL3013 **Assumed knowledge:** BIOL2018 or MARS2006 **Assessment:** Practical reports, paper criticisms and other assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: The completion of 6 credit points of MBLG units is highly recommended.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

Qualified students will participate in alternative components of the BIOL3103 Marine Biology unit. The content and nature of these components may vary from year to year.

### BIOL3917

#### Fungi in the Environment (Advanced)

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Peter McGee **Session:** S1 Intensive **Classes:** 40 hours of practical work in a two week intensive program immediately prior to semester one (labs run from 16 - 27 February 2009), plus the equivalent of 30 hours self-guided study during the semester. **Prerequisites:** Distinction average in 12 credit points of Intermediate Biology, or 6 credit points of Intermediate Biology and 6 Intermediate credit points of either Microbiology or Geography. **Prohibitions:** BIOL3017 **Assessment:** One 2 hour take home exam, research project, laboratory and written assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: The completion of 6 credit points of MBLG units is highly recommended.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

Qualified students will be encouraged to develop a research project under supervision. The content and nature of the research will be agreed on with the executive officer.

### BIOL3918

#### Applications of Recombinant DNA Tech Adv

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Dr B Lyon **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, and up to 4 hours laboratory per week. **Prerequisites:** Distinction average in 12 credit points from MBLG (2071/2971), MBLG (2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED2802. **Prohibitions:** BIOL3018 **Assessment:** One 2 hour exam, assignment/seminar **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Qualified students will participate in alternative components of BIOL3018 Applications of Recombinant DNA Technology. The content and nature of these components may vary from year to year.

### BIOL3925

#### Evolutionary Gen. & Animal Behaviour Adv

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Prof Oldroyd, A/Prof Beekman. **Session:** Semester 2 **Classes:** Two 1 hour lectures and up to 4 hours of laboratory per week. **Prerequisites:** Distinction average in 12 credit points from (MBLG2071/2971), (MBLG2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED2802. **Prohibitions:** BIOL3025. **Assessment:** One 1.5 hour exam, assignments, seminar. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

Qualified students will participate in alternative components of BIOL3025 Evolutionary Genetics and Animal Behaviour. The content and nature of these components may vary from year to year. Some assessment will be in an alternative format to components of BIOL3025.

### BIOL3926

#### Developmental Genetics (Advanced)

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Saleeba **Session:** Semester 2 **Classes:** Two 1 hour lectures and up to 3 hours of laboratory per week. **Prerequisites:** Distinction average in 12 credit points from MBLG (2071/2971),

and MBLG (2072/2972). For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED2802. **Prohibitions:** BIOL3026 **Assessment:** One 2 hour exam, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

Qualified students will participate in alternative components to BIOL3026 Developmental Genetics. The content and nature of these components may vary from year to year. Some assessment will be in an alternative format to components of BIOL3026.

## BIOL3927

### Bioinformatics and Genomics (Advanced) Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Firth **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour laboratory per week. **Prerequisites:** Distinction average in 12 credit points from MBLG (2071/2971), MBLG (2072/2972) and Intermediate Biology units. For BMedSc students: 36 credit points of Intermediate BMED units including Distinction in BMED2802. **Prohibitions:** BIOL3027 **Assessment:** One 2 hour exam, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Qualified students will participate in alternative components of BIOL3027 Bioinformatics and Genomics. The content and nature of these components may vary from year to year. Some assessment will be in alternative format.

## BIOL4012

### Biology Honours B Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** BIOL4011 or (BIOL4015 and BIOL4016) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Bioinformatics)(Hons), B Sc (Environmental)(Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons).

See BIOL4011 or BIOL4016

## BIOL4013

### Biology Honours C Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** BIOL4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Bioinformatics)(Hons), B Sc (Environmental)(Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons).

See BIOL4011 or BIOL4016

## BIOL4014

### Biology Honours D Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** BIOL4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Bioinformatics)(Hons), B Sc (Environmental)(Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons).

See BIOL4011 or BIOL4016

## BIOL4015

### Scientific Research in Biology Science

**Credit points:** 6 **Teacher/Coordinator:** Lecturers:- Prof S. Simpson, Prof B. Oldroyd, A/Prof R. Coleman, A/Prof M. Beekman, Dr. D. Hochuli, Dr. C. McArthur **Session:** Semester 1, Semester 2 **Classes:** 13 workshops **Prerequisites:** Pass degree in an area of Life Sciences or Equivalent **Corequisites:** BIOL4016 **Prohibitions:** BIOL4009, BIOL4010 **Assessment:** Research proposal (based

on University of Sydney Research and Development scheme) (50%). Written assignment to include data analysis and presentation of analysed results (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Bioinformatics)(Hons), B Sc (Environmental)(Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons).

Studies in Life Science investigate the dynamics of living organisms and span the levels of biological organization, from the ecosystem to the molecular. Research in the Life Sciences strives to offer explanations as to how organisms function, interact and evolve. A graduate Biologist must be conversant with a wide range of analytical techniques, including quantitative analysis as well as being able to communicate effectively about their research. Students must understand the logical structures which underpin analytical techniques, be able to design experiments based on understanding of biological processes and document their intended research. This course work unit provides the core skills and techniques that will equip students to perform a broad range of laboratory and field studies in biology, develop critical thinking and clear communication skills. Students will be introduced to the appropriate methodologies for data collection, handling and analysis which underpin the successful testing of biological hypotheses, and document their intended research as a grant proposal

#### Textbooks

Reccomended reading: Dytham, C. (2003) Choosing and Using Statistics: A Biologists Guide. 2nd edn. Blackwell Publishing, Oxford.

Field, A. (2005) Discovering Statistics Using SPSS. 2nd edn. SAGE publications, London.

Pechenik JA. (2001) A Short Guide to Writing About Biology. 4th Edn. Addison Wesley Longman, Sydney.

Ruxton, G.D. & Colegrave, N. (2003) Experimental Design for the Life Sciences. Oxford University Press, Oxford.

Underwood, A.J. (1997) Experiments in Ecology: Their Logical Design and Interpretation using Analysis of Variance. Cambridge University Press, Cambridge.

## BIOL4016

### Biology Honours A Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Corequisites:** BIOL4015 **Prohibitions:** BIOL4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Bioinformatics)(Hons), B Sc (Environmental)(Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons).

Students enrolled in the Honours programs study various advanced aspects of Biology. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

## BIOM2001

### Biometry 2 Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Thomas Bishop **Session:** Semester 1 **Classes:** (2 lec, 1 workshop, 1x2 hr practical)/wk **Prerequisites:** BIOM1003 or (MATH1011 and MATH1015) **Assessment:** 1 2 hour theory exam (30%), 1 2 hour practical exam (30%), 1 written assignment (10%), weekly practical assignments (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B L W Sc, B Sc Agr, UG Study Abroad Program.

This unit of study is designed to introduce students to (i) analysing experiments where there are 3 or more treatment levels (ii) the modelling of regression relationships. It is a core unit for students in BScAgr, BHortSc, BLWSc and BAnVetBioSc, and builds upon the concepts learnt in BIOM1003. In the first part, students will investigate how to analyse experiments with more than 2 treatment levels, multiple factors and different blocking designs. In the second half they will learn to model relationships between response and predictor variables using regression. In addition they will learn about the scientific method

and the principles of experimental design. At the end of this unit, students will have learnt how to analyse data using ANOVA and regression, the basic methods needed for their future studies and careers. The students will gain research and inquiry skills through completion of weekly computer assignments and a written assignment on the scientific method. Information literacy and communication skills will be developed through weekly computer work.

#### Textbooks

Recommended only:

Clewer, A. G. & Scarisbrick, D. H. 2001, Practical Statistics and Experimental Design for Plant and Crop Science, John Wiley & Sons, West Sussex.

Dytham, C. 2003, Choosing and Using Statistics: A Biologist's Guide, Blackwell, Oxford.

McConway, K. J., Jones, M. C. & Taylor, P. C. 1999, Statistical Modelling using GENSTAT, Arnold, London.

Mead, R., Curnow, R. N. & Hasted, A. M. 2003, Statistical Methods in Agriculture and Experimental Biology, Chapman & Hall/CRC, London.

Morris, T. R. 1999, Experimental Design and Analysis in Animal Sciences, CAB International, Oxon.

### BIOM3004

#### Biometry 3

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Session:** Semester 1 **Classes:** (2 lec, 3 prac)/wk, individual research 1hr/wk **Prerequisites:** BIOM2001 or BIOM2002 **Prohibitions:** BIOM3005 **Assessment:** Reports (25%), assignment (20%), presentation (5%), theory/prac exam (50%). All open book. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B L W Sc, B Sc Agr.

This unit is designed for students who are interested in majoring in Biometry, or for students from other disciplines with an interest in further developing their skills in experimental design and advanced statistical modelling. It builds on the topics introduced in Biometry 2, and aims to give students sufficient skills and confidence to complete the analysis of their own research data in Fourth Year with a high degree of competence. We start by learning how to determine the number of replicates to use in an experiment. We revise multiple regression and extend the linear model to a time series system. We then examine how normally distributed data from designed experiments can be analysed in a general linear model framework, and hence how to cope with missing or incomplete data. The difference between maximum likelihood and residual maximum likelihood (REML) is studied for a single sample. A REML analysis is obtained for complete and incomplete factorial designs; for fixed, random and mixed models; for data collected from repeated observations on the same experimental unit. Next, we consider various techniques for the analysis of non-normal data, specifically: logistic regression for binary and proportion data; Poisson regression for count data; loglinear modelling for multi-way contingency tables; ordinal and nominal logistic regression for scores & ratings. The assignment is to design and analyse a 4th year experiment.

### BIOM3005

#### Environmetrics 3

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Thomas Bishop **Session:** Semester 1 **Classes:** (2 lec, 3 labs)/wk **Prerequisites:** BIOM2001 or BIOM2002 **Prohibitions:** BIOM3004 **Assessment:** 50% assignments, 3 hr open book exam 50%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hort Sc, B L W Sc, B Sc Agr.

This unit is designed to give participants an opportunity to develop quantitative skills that are professionally relevant to the environmental sciences. Statistical computer packages, such as GenStat and Excel are used extensively to analyse environmental data sets. The unit commences with a revision of analysis of variance and regression; and an introduction to the ideas of sample size determination. Regression ideas are then extended to include the analysis of non-normal data via loglinear models and logistic regression. We next focus on environmental statistics, tackling the ideas of sampling strategies and environmental modeling. We also gain an introductory

knowledge of matrix algebra before considering trends in time and space in environmental data. Next we extend the idea of trends and correlation to consider time series, repeated measures and spatial analyses techniques. The unit will be based around two environmental datasets which will be used in both the lectures and the practicals.

As part of the learning outcomes of this unit the students completing this unit will have developed an understanding of the theory and techniques needed for the analysis and manipulation of environmental data; be able to develop a robust design for environmental sampling; have developed an understanding of the mathematics behind simulating processes in space and time; be able to use time series and spatial statistics to predict variables in time and space.

#### Textbooks

No single text is recommended as extensive course notes are made available. Reference books:

Causton, D.R. (1977) A Biologist's Mathematics. Edward Arnold: London.

Healy, M.J.R. (2000) Matrices for Statistics, 2nd ed, Clarendon Press: Oxford.

Manly, B.F.J. (1992) The Design and Analysis of Research Studies. Cambridge University Press: Cambridge.

Manly, B.F.J. (1994) Multivariate Statistical Methods: A Primer, 2nd ed. Chapman & Hall: London.

Manly, B.F.J. (2001) Statistics for Environmental Science and Management. Chapman & Hall/CRC: Boca Raton FL.

McConway, K.J. Jones, M.C. and Taylor, P.C. (1999). Statistical Modelling using GenStat. Arnold: London.

### BIOM3006

#### Statistics for the Natural Sciences

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Thomas Bishop **Session:** Semester 2 **Classes:** (2x1 hr workshops, 1x3 hr practical)/wk **Prerequisites:** BIOM2001 or STAT2012 or STAT2912 **Assessment:** 1x3 hour exam (40%), 1 major report (20%), weekly practical assignments (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B L W Sc, B Sc, B Sc Agr, UG Study Abroad Program.

This unit of study is designed to introduced students to the analysis of data they may face in their future careers, in particular data that are not well behaved, they may be non-normal, there may be missing observations or they may be correlated in space and time. It is a core unit for students in BLWSc and is a prerequisite for those in BScAgr wishing to specialise in Environmetrics. It is also offered to BSc students wishing to complete an applied statistics unit. In the first part, students will learn about the generalisation of the linear regression and ANOVA model to accommodate non-normal data, mixtures of categorical and continuous data and non-linearities in the relationship between the response and predictor variables. In the second part, students will learn about stochastic processes and how to analyse (i) data that is correlated in space and time (ii) designed experiments with REML. At the end of this unit, students will have learnt a range of advanced statistical methods and be equipped to apply this knowledge to analyse data that they may encounter in their future studies and careers. The students will gain research and inquiry skills through completion of weekly computer assignments and a major report where they will analyse a 4th year research project. Information literacy and communication skills will be developed through weekly computer work and an oral presentation of the results from the major report.

### BIOM4003

#### Matrix Algebra and Linear Models

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Thomas Bishop **Session:** Semester 1 **Classes:** 3 lec/wk; individual research 3 hr/wk **Prerequisites:** BIOM3002 or BIOM3003 or BIOM3004 or BIOM3005 or equivalent **Assessment:** Assignment (50%), theory/prac exam (50%). All open book. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hort Sc, B L W Sc, B Sc Agr.

So far in biometry, we have avoided the use of matrices in developing and explaining statistical and mathematical concepts. However, with more advanced work, it becomes far more convenient to express certain results in matrix notation. Matrices are not just used in statistics:

they find use in mathematical models in biology (e.g. age structured population growth models), engineering (e.g. structural perturbation analysis), and economic models (e.g. decision analysis). There are two aims to this course. Firstly, we will cover the basics of matrix algebra: matrix operations, special matrices (symmetric, orthogonal, idempotent), rank, determinants, inverses, eigenvalues and eigenvectors. Secondly we will see how we can apply these techniques to linear model problems - regression and ANOVA type situations, maximum likelihood and residual maximum likelihood. The course will also provide background for the multivariate analysis unit of study.

#### Textbooks

Textbooks: None. Many reference books such as:

Draper, N.R., and Smith, H. (1981). Applied Regression Analysis. Second edition. N.Y.: Wiley.

Graybill, F.A. (1969). Introduction to Matrices with Applications in Statistics. Belmont: Wadsworth.

Harville, D.A. (1997). Matrix Algebra from a Statistician's Perspective. New York: Springer.

Healy, M.J.R. (1986). Matrices for Statistics. Oxford: Clarendon.

Mead, R. (1988). The Design of Experiments. Cambridge: Cambridge U.P.

Neter, J., Wasserman, W., and Kutner, M.H. (1985). Applied Linear Statistical Models. Homewood, IL: Irwin.

Searle, S.R. (1982). Matrix Algebra Useful for Statistics. N.Y.: Wiley.

### BIOM4004

#### Applied Multivariate Analysis

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Thomas Bishop **Session:** Semester 1 **Classes:** 3 lec/wk; individual research 3 hr/wk **Prerequisites:** BIOM3002 or BIOM3003 or BIOM3004 or BIOM3005 or equivalent **Assessment:** Assignment (50%), theory/prac exam (50%). All open book. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hort Sc, B L W Sc, B Sc Agr.

This course will introduce you to the main multivariate statistical techniques in common usage. While there will be some theoretical development in the course, the main focus will be on interpreting the results of the analysis, particularly in terms of explaining complex multi-dimensional data in terms of fewer dimensions. Since multivariate analysis by definition involves a treatment of at least two variables, there will be heavy use of matrix theory. Topics covered include multivariate normality, the likelihood ratio tests for independence of data variables, principal component analysis, discriminant analysis and Hotelling's T<sup>2</sup> for comparing two groups, multivariate analysis of variance (MANOVA), Canonical variate analysis, multivariate regression analysis, canonical correlations and correspondence analysis.

### BIOM4005

#### Biometrical Methods

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Thomas Bishop **Session:** Semester 1 **Classes:** 3 lec/wk; individual research 3 hr/wk **Prerequisites:** BIOM3002 or BIOM3003 or BIOM3004 or BIOM3005 or equivalent **Assessment:** Assignment (50%), Theory/Prac Examination (50%). All open book. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hort Sc, B L W Sc, B Sc Agr.

This course introduces students to essential statistical and mathematical theory that should be at the fingertips of practising statisticians. Topics include a comprehensive review of statistical distributions and their properties; moments and moment generating functions; order statistics; bivariate and multivariate distribution theory; maximum and residual maximum likelihood estimation of parameters of these distributions; likelihood ratio tests; Taylor expansions and large sample variances. The theory is extended to regression and design problems: the mathematics of ANOVA, partitioning sums of squares, the theory of split plots and linear mixed models in general; log-linear modeling; Binomial, Poisson, ordinal and nominal logistic regression; spatial and nearest neighbour designs, intercropping experiments; meta analyses.

#### Textbooks

Many reference books exist in various Libraries.

### BIOS1126

#### Human Biology and Biochemistry Medicine

**Credit points:** 4 **Teacher/Coordinator:** Dr Diana Oakes **Session:** Semester 1 **Classes:** Three 1hr lectures/week **Assumed knowledge:** Basic Chemistry **Assessment:** Mid semester exam MCQ (20%), end semester exam MCQ (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Please contact Felicia Lim regarding enrolment into this Unit of Study: f.lim@usyd.edu.au*

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Leis&Hlth), B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Sp Path), B B Hlth Sc, B Hlth Sc (Hearing&Speech), B Hlth Sc (Rehab Cng), B H.

This unit of study introduces students to the biological and biochemical processes which are fundamental to life. The material covered in this unit forms the basis for subsequent biomedical and professional units of study. Knowledge gained in this unit will help students to understand principles of health and disease and the scientific basis for many of the professional practices they will undertake in their careers. The topics to be studied are divided into two areas: the basic processes fundamental to life and growth and development which is the outcome of the basic processes. The following topics are studied: the structure and function of cells, homeostasis, the basic chemical processes of life, the biochemistry of human function, energy and function (including metabolic processes and diseases), genetic code in health and disease (including basic genetics, protein synthesis and genetic diseases and counselling) and growth and development.

### BIOS1127

#### Body Systems I Medicine

**Credit points:** 3 **Teacher/Coordinator:** Dr Catherine Willis **Session:** Semester 2 **Classes:** Three 1hr lectures/week, three 2hr practical classes in the semester **Assumed knowledge:** BIOS1126 Human Biology and Biochemistry **Assessment:** 40min exam (25%), 2hr exam (75%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Orth), B App Sc (Orth), B App Sc (OT), UG Study Abroad Program.

This unit builds on the foundation studies of BIOS1126 Human Biology and Biochemistry undertaken in Semester 1. It begins with the study of organ systems in the body, focusing on the cardiovascular and respiratory systems. In addition, the topics of infection control and immunology extend the concept of maintenance of homeostasis with discussion of the body's defenses and barriers to invading organisms. Some general concepts relating to the handling of drugs by the body are introduced and some drugs affecting the function of the autonomic nervous system will be discussed.

### BIOS1130

#### Molecules and Energy Medicine

**Credit points:** 4 **Teacher/Coordinator:** Dr Laura Batmanian **Session:** Semester 1 **Classes:** On-campus, 40hrs **Assumed knowledge:** Basic chemistry **Assessment:** Worksheets, mid semester exam (MCQ) (20%), end semester exam (MCQ/short answer) (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Please contact Felicia Lim regarding enrolment into this Unit of Study: f.lim@usyd.edu.au*

**Associated degrees:** B App Sc (Ex & Sp Sc), B App Sc (Phy), B App Sc (Phy), UG Study Abroad Program.

This unit presents aspects of the basic chemistry, biochemistry and physiology which underlie the normal function of the human body. The material covered will form the basis for subsequent biomedical and professional units of study. It will set the scene for understanding key issues such as the basic chemical processes of life, how we produce and use energy, how energy production relates to health and disease and the transmission of genetic information. The topics considered include the principles of homeostasis, general cellular structure and function, introductory chemistry and biochemistry, membrane structure and function, cell metabolism, cell division, protein synthesis and genetics.

#### Textbooks

Bettlheim FA, Brown WH, Campbell MK and Farrell SO, Introduction to General, Organic and Biochemistry (8th ed), Brooks/Cole-Thomson Learning (2006)  
Seeley RR, Stephens TD and Tate P, Anatomy and Physiology (7th ed), McGraw Hill, Boston (2006)

### BIOS1132 Neuroscience I Medicine

**Credit points:** 3 **Teacher/Coordinator:** Dr Damian Holsinger **Session:** Semester 2 **Classes:** One 1hr and one 2hr lecture/wk, one 1hr tutorial/week **Assessment:** Mid semester exam (30%), end of semester exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Please contact Felicia Lim regarding enrolment into this Unit of Study: f.lim@usyd.edu.au*

**Associated degrees:** B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), B Hlth Sc (Hons), B Hlth Sci, B Hlth Sci, M C V S, Health Sciences UG Cross Inst, UG Study Abroad Program.

This unit of study introduces the students to fundamental concepts of nervous system functioning and the structure of muscle tissue. Students are initially introduced to basic structure of the nervous system and neurones. This is followed by an understanding of basic electrical concepts underlying neural signals. The sites of signal transmission and communication in the nervous system, including central synapses, the neuromuscular junction and receptors are discussed. The structure, contractile process, mechanics and biochemistry of skeletal cardiac and smooth muscles are covered. The unit includes laboratory classes in which human cadavers are studied.

### BIOS1133 Body Systems: Structure and Function I Medicine

**Credit points:** 3 **Teacher/Coordinator:** Dr Ann Murphy **Session:** Semester 2 **Classes:** On-campus, 33hrs **Assumed knowledge:** BIOS1130 Molecules and Energy or CHEM1101 Chemistry IA or EXSS1031 Cell Metabolism & Biochemistry **Assessment:** Mid semester MCQ exam (20%), end semester MCQ exam (80%) plus formative assessment with feedback **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Please contact Felicia Lim regarding enrolment into this Unit of Study: f.lim@usyd.edu.au*

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Ex &Sp Sc), M N, B App Sc (Phy), B App Sc (Phy), UG Study Abroad Program.

This unit will present the gross anatomy, functional histology and physiology of the cardiovascular and respiratory systems. The material covered in this unit forms the foundation for subsequent biomedical and professional units of study. This unit includes laboratory classes at which human cadaveric material is studied; attendance at such classes is strongly encouraged.

### BIOS1136 Functional Anatomy A Medicine

**Credit points:** 4 **Teacher/Coordinator:** Mr Darren Reed **Session:** Semester 1, Semester 2 **Classes:** On-campus, 42 hrs; online, 3 hrs **Assessment:** Mid semester exam (25%), end of semester practical exam (25%), end of semester exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Please contact Felicia Lim regarding enrolment into this Unit of Study: f.lim@usyd.edu.au*

**Associated degrees:** B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B Hlth Sc (Hons), B Hlth Sci, Health Sciences PG Non Award, Health Sciences UG Non-Award, UG Study Abroad Program.

This unit of study begins with an introduction to the study of anatomy with particular reference to the musculoskeletal system. A detailed study of the gross anatomical structure and functional anatomy of the upper limb will then be undertaken. In this unit of study we will also examine the histological features of the tissues of the musculoskeletal system and examine the ways in which some of these tissues are altered by varying activity states. Material will be presented in lectures, practical sessions and online. Students will also be expected to undertake some independent learning activities. This unit includes

laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

#### Textbooks

1. Palastanga, Field & Soames, Anatomy and Human Movement (5th ed), Butterworth Heinemann Publishers
2. Abrahams, Hutchings & Marks, McMinn's Colour Atlas of Human Anatomy (5th ed), Mosby Publisher

### BIOS1137 Introductory Neuroscience Medicine

**Credit points:** 3 **Teacher/Coordinator:** Dr Alan Freeman **Session:** Semester 1 **Classes:** Two 1hr lectures/week, 9hrs practical classes/semester **Assessment:** 1hr mid semester written exam (40%), 2hr end semester written exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Please contact Felicia Lim regarding enrolment into this Unit of Study: f.lim@usyd.edu.au*

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Ex &Sp Sc), M N, B App Sc (Phy), B App Sc (Phy), B Hlth Sc (Hons), B Hlth Sci, Health Sciences UG Non-Award, UG Study Abroad Program.

This unit introduces students to the basic structure and function of the nervous system. The physiological aspects of the unit cover the mechanisms of signal generation and transmission in the nervous system, spinal reflexes, the somatosensory and autonomic nervous systems and the descending motor pathways. The anatomy component of the unit presents the basic structure of the spinal cord and the brain.

### BIOS1139 Functional Anatomy B Medicine

**Credit points:** 3 **Teacher/Coordinator:** Dr Catherine Willis **Session:** Semester 1 **Classes:** On-campus, 30hrs **Assumed knowledge:** BIOS1136 Functional Anatomy A **Assessment:** Intrasemester practical exam (35%), end semester exam (65%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (OT), B App Sc (Phy), B Hlth Sc (Hons), B Hlth Sci, Health Sciences PG Non Award, UG Study Abroad Program.

This unit of study begins with a detailed examination of the gross anatomical structure and functional anatomy of the lower limb. During the second half of the semester students will study the gross anatomy, and its functional applications, of the vertebral column thoracic cage and pelvis. Material will be presented in lectures, tutorials and practical sessions; students will also be expected to undertake some independent learning tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

#### Textbooks

- Palastanga, Field & Soames, Anatomy and Human Movement (5th ed), Butterworth Heinemann Elseviers  
Abrahams, Hutchings & Marks, McMinn's Colour Atlas of Human Anatomy (5th ed), Mosby Elsevier

### BIOS1141 Neuroscience II Medicine

**Credit points:** 3 **Teacher/Coordinator:** Dr Ros Bohringer **Session:** Semester 1 **Classes:** Three 1hr lectures/week, 2hr practical (5 weeks/semester- not blocks), three 1hr tutorials (3 weeks/semester- not blocks) **Assessment:** Mid semester exam (30%), end semester exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Orth), B App Sc (Orth), B App Sc (OT), B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), B Hlth Sc (Hons), B Hlth Sci, UG Study Abroad Program.

This unit of study aims to provide basic understanding of the anatomy and physiology of neural structures. The anatomy of the spinal cord and the brain is presented and studied on models and human cadavers. The basic mechanisms of spinal reflexes and the function of the somatosensory system comprise the physiological aspects of the unit. Students are also introduced to the anatomy and physiology of the autonomic nervous system and motor pathways. Case studies

aimed at identifying simple neural problems associated with sensory and motor systems are specifically designed for the students of the profession.

#### Textbooks

Crossman AR & Neary D, Neuroanatomy, an Illustrated Colour Text (2nd ed), Churchill Livingstone

### BIOS1144

#### Functional Anatomy B (Physiotherapy) Medicine

**Credit points:** 5 **Teacher/Coordinator:** Ms Jan Douglas-Morris **Session:** Semester 2 **Classes:** 3hr lecture, 2hr tutorial/week **Assumed knowledge:** BIOS1136 Functional Anatomy A **Assessment:** Practical exam (20%), end semester exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

*Note: Department permission required for enrolment. Note: Please contact Felicia Lim regarding enrolment into this Unit of Study: f.lim@usyd.edu.au*

**Associated degrees:** B App Sc (Phy), UG Study Abroad Program.

This unit of study examines the detailed gross anatomical structure and functional anatomy of the lower limb, vertebral column, pelvis, thorax and neck, including the functional anatomy of gait. This is followed by an examination of the functional anatomy associated with chewing, swallowing and communication. In addition the embryological development of the musculoskeletal and cardiorespiratory systems of relevance to physiotherapists will be covered. Material will be presented in lectures and practical sessions on campus and in online tutorial sessions. In addition students will also be expected to undertake some independent learning activities. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

### BIOS1155

#### Structure, Function and Disease A Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Ann Murphy **Session:** Semester 1 **Classes:** Four 1hr lectures, one 2hr practical/week **Assessment:** 1hr mid semester assessment MCQ exam (40%), 2hr end semester assessment MCQ exam and 1hr MCQ exam (60%). Formative assessment provided **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B B Hlth Sc, B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M N, B O H, M Mid Res (Hons), UG Study Abroad Program.

This unit of study introduces the study of anatomy, physiology and pathophysiology. A detailed study of the normal function of the musculoskeletal, cardiovascular and respiratory systems is undertaken. This leads to a focus on the important diseases related to these systems and their effects on the body. The basic concepts of pharmacology will also be introduced to enable students to understand the action of drugs on each of the body systems as they are covered in this unit and in BIOS1158 Structure, Function and Disease B. Students are expected to complete computer-based, self-directed learning packages prior to some practical sessions. Material will be presented in lectures, tutorials and practical sessions. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

### BIOS1156

#### Human Biology and Radiobiology Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Diana Oakes **Session:** Semester 1 **Classes:** Four 1hr lectures/week **Assumed knowledge:** Basic chemistry **Assessment:** 2hr exam (70%), poster and talk presentation (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Please contact Felicia Lim regarding enrolment into this Unit of Study: f.lim@usyd.edu.au*

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B B Hlth Sc, B Hlth Sci, B Hlth Sci, M N, B O H, UG Study Abroad Program.

This unit of study introduces students to the biological and biochemical processes that are fundamental to life. The material covered in this unit forms the basis of subsequent biomedical and professional units of study. Knowledge gained in this unit will help students to understand

principles of health and disease and the scientific basis for many of the professional practices they will undertake in their careers. The topics to be studied are divided into three areas; the basic processes fundamental to life, growth and development and radiation effects on these basic processes. The following topics are studied: structure and function of cells, homeostasis, basic chemical processes of life, biochemistry of human function, energy and function (including metabolic processes and diseases), genetic code in health and disease (including basic genetics, protein synthesis, and genetic diseases and counselling) and growth and development. In addition, radiation effect on biological systems at the cellular, tissue and organ levels, early and late effects, stochastic and non-stochastic effects will be covered. It concludes with a study of genetic effects, chromosome aberrations, genetic mutations and effects on pregnancy, the young and aged.

#### Textbooks

Forshier S, Essentials of Radiation Biology and Protection, Delmar Thomson Learning, Albany, NY (2002)  
Hall EJ, Radiobiology for the Radiologist (5th ed), JB Lippincott Co, Philadelphia (2000)

### BIOS1157

#### Introductory Health Physics Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Fazlul Huq **Session:** Semester 2 **Classes:** Three 1hr lectures/week, 1hr tutorial, 2hr practical/fortnight **Assessment:** Mid semester 1hr MCQ/SAQ exam (30%), end semester 2hr MCQ/SAQ exam (50%), practical work (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program.

This unit of study provides a foundation for the physical concepts and devices used in medical radiation science. It commences with a study of the general principles of wave motion, optics, electricity and magnetism, electrical safety, basic electronics and the measurement of radiation. This provides the foundation on which to study devices used in medical radiation science such as ultrasonic transducers, linear accelerators, cyclotrons, oscilloscopes, televisions, optical fibres, liquid crystal displays, ionisation chambers, Geiger counters, scintillation counters, thermoluminescent dosimeters.

#### Textbooks

Graham D and Cloke P, Principles of Radiologic Physics (4th ed), Churchill Livingstone (2003)

### BIOS1158

#### Structure, Function and Disease B Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Elizabeth Hegedus **Session:** Semester 2 **Classes:** Four 1hr lectures, one 2hr practical/week **Assessment:** 1hr exam (30%), 2hr exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M N, B O H, UG Study Abroad Program.

This unit of study examines the essential principles of infection control in health care practice and the immune system, highlighting its role in disease prevention and response to trauma. The part played by the immune system in producing disease is also covered. The normal structure and function of the digestive, urinary, reproductive, endocrine and nervous systems is described along with the pathophysiology of diseases associated with these systems. Specific diseases are studied because they are common and thus frequently encountered in practice, or because they provide significant insight into the reaction pattern of an injured organ. The bases for the management of these diseases will be examined. Material will be presented in lectures, tutorials and practical sessions. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

#### Textbooks

Damjanov I, Pathology for the Health-Related Professions (2nd ed), WB Saunders (2000)  
Martini F, Fundamental Anatomy and Physiology (6th ed), Prentice Hall Publishing Co (2004)



**BIOS1159****Functional Anatomy A - Exercise Science Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Mr Darren Reed **Session:** Semester 1, Semester 2 **Classes:** Two 1hr lectures, one 2hr practical/tutorial/week **Assessment:** Mid semester exam (25%), end semester prac exam (25%), end semester exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Please contact Felicia Lim regarding enrolment into this Unit of Study: f.lim@usyd.edu.au*

**Associated degrees:** B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Ex &Sp Sc), M N, B Hlth Sc (Hons), B Hlth Sci, UG Study Abroad Program.

This unit of study will commence with an introduction to the study of anatomy with particular reference to the musculoskeletal system. Content: a detailed study of the gross anatomical structure and functional anatomy of the upper limb; the application of anatomical principles to the analysis of movement (for example, reaching and throwing); the histological features of the tissues of the musculoskeletal system, and the ways in which some of these tissues are altered by varying activity states. Students will be expected to undertake a number of independent learning activities. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

**Textbooks**

Palastanga, Field and Soames, Anatomy and Human Movement (5th ed), Butterworth Heinemann  
Abrahams, Hutchings and Marks, McMinn's Colour Atlas of Anatomy (5th ed), Mosby

**BIOS1160****Functional Anatomy B - Exercise Science Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Catherine Willis **Session:** Semester 2 **Classes:** 5hrs/week **Prohibitions:** BIOS1169 **Assessment:** Mid semester practical exam (30%), end semester practical exam (30%), end semester exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Please contact Felicia Lim regarding enrolment into this Unit of Study: f.lim@usyd.edu.au*

**Associated degrees:** B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Ex &Sp Sc), M N, B Hlth Sc (Hons), B Hlth Sci, UG Study Abroad Program.

This unit of study presents a detailed study of the gross anatomical structure and functional anatomy of the lower limb, vertebral column, thorax and pelvis. Content will include application of anatomical principles to the analysis of movement. Students will be expected to undertake a number of independent learning activities including participating in online tutorials. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged. A module examining the analysis of integrated movements of upper and lower limbs will also be presented.

**BIOS1161****Biochemistry and Human Biology Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Diana Oakes **Session:** Semester 1 **Classes:** On-campus, 4hrs lectures/week **Assessment:** Mid semester exam (20%), end semester exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Sp Path), B B Hlth Sc, B Hlth Sci, B Hlth Sci, M N, B O H, M Mid Res (Hons), UG Study Abroad Program.

This unit of study introduces students to the biological and biochemical processes that are fundamental to life. The material covered in this unit forms the basis of subsequent biomedical and professional units of study. Knowledge gained in this unit will help students to understand principles of health and disease and the scientific basis for many of the professional practices they will undertake in their careers. The following topics are studied: structure and function of cells, homeostasis, basic chemical processes of life, biochemistry of human function, energy and function (including metabolic processes and diseases), genetic code in health and disease (including basic

genetics, protein synthesis, and genetic diseases and counselling) and growth and development. The application of these fundamental principles to developments in healthcare is examined.

**BIOS1163****Speech Science Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Helen Ritchie **Session:** Semester 1 **Classes:** Four 1hr lectures/week, 11 2hr pracs/semester **Assessment:** 1hr exam (30%), 2hr exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path), B Hlth Sci, UG Study Abroad Program.

This unit aims to provide an understanding of the anatomy, physiology and physics of speech. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

**Textbooks**

Seikel JA, Anatomy & Physiology for Speech, Language & Hearing (3rd ed)

**BIOS1165****Hearing Science and Audiology Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Helen Ritchie **Session:** Semester 2 **Classes:** Five 1hr lectures/week, four 2hr pracs/semester **Assumed knowledge:** BIOS1116 Speech Science I or BIOS1163 Speech Science **Assessment:** 1hr exam (30%), 2hr exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path), B Hlth Sci, UG Study Abroad Program.

This unit of study aims to provide an understanding of the anatomy, physiology and physics of hearing and immunology and pathology of diseases of the head and neck. It also includes the development of the ear and principles of abnormal development. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

**Textbooks**

Seikel JA, Anatomy & Physiology for Speech, Language & Hearing (3rd ed)

**BIOS1166****Neuroscience I: Communication Disorders Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Damian Holsinger **Session:** Semester 2 **Classes:** 5hrs lectures, 2hr practicals/tutorials/week **Prerequisites:** BIOS1161 Biochemistry and Human Biology or BIOS1167 Human Cell Biology or BIOL1003 Human Biology **Assessment:** Mid and end semester exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students who have not completed Human Biology and Biochemistry or its equivalent will be required to attend additional tutorials*

**Associated degrees:** B App Sc (Sp Path), B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M Rehab Cing, UG Study Abroad Program.

This unit of study includes fundamental concepts of nervous system functioning and muscle tissue. Anatomy of the brain and spinal cord is studied using models and human cadavers. Basic mechanisms of spinal reflexes and the function of the somatosensory sensory comprise the physiological component of the unit. Students are also introduced to the anatomy and physiology of the autonomic nervous system and motor pathways. Cases studies aimed at identifying simple neural problems associated with sensory and motor systems are specifically designed for students doing professional preparation degrees. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is required.

**Textbooks**

Crossman A and Neary D, Neuroanatomy: An Illustrated Colour Text (2nd ed), Churchill Livingstone

**BIOS1167****Human Cell Biology Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Laura Batmanian **Session:** Semester 1 **Classes:** 4hrs lectures/week **Assumed knowledge:** Basic Chemistry **Assessment:** Worksheets, mid semester exam (20%), end semester exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day



**Associated degrees:** B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Ex &Sp Sc), M N, B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B App Sc (OT), B App Sc (Sp Path), UG Study Abroad Program.

This unit of study introduces students to the biological and biochemical processes that are fundamental to life. The material covered in this unit forms the basis of subsequent biomedical and professional units of study. Knowledge gained in this unit will help students to understand principles of health and disease and the scientific basis for many of the professional practices they will undertake in their careers. The following topics are studied: structure and function of cells, homeostasis, basic chemical processes of life, biochemistry of human function, energy and function (including metabolic processes and diseases), genetic code in health and disease (including cell division, basic genetics, protein synthesis and genetic diseases). The relevance of these fundamental principles to practices of health care is examined.

#### Textbooks

Timberlake K, An Introduction to General, Organic and Biological Chemistry (9th ed), Pearson Education  
Stephens TD and Tate P, Anatomy and Physiology (7th ed), McGraw Hill, Boston (2006)

### BIOS1168

#### Functional Musculoskeletal Anatomy A Medicine

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 3hr lectures, 2hr tutorial/week **Assessment:** Mid semester exam (25%), end semester practical exam (25%), end semester exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Ex &Sp Sc), M N, B App Sc (OT), B App Sc (Phy), B Hlth Sci, UG Study Abroad Program.

This unit of study introduces the basic concepts in musculoskeletal anatomy prior to a more detailed study of the gross anatomical structure of the upper limb as it relates to functional activities. Students will also study the histological structure of musculoskeletal tissues and surface anatomy of the upper limb. Material will be presented in lectures, practical sessions and online. Students will also be expected to undertake some independent learning activities. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

#### Textbooks

Palastanga N, Field D and Soames R, Anatomy and Human Movement Structure and Function (5th ed), Butterworth Heinemann Elsevier (2006)  
Abrahams PH, Boon JM and Spratt JD, McMinn's Clinical Atlas of Human Anatomy, Mosby Elsevier (2008)

### BIOS1169

#### Functional Musculoskeletal Anatomy B Medicine

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 3hr lectures, 2hr tutorial/week **Prerequisites:** BIOS1168 Functional Musculoskeletal Anatomy A or BIOS1159 **Prohibitions:** BIOS1160 **Assessment:** Mid semester exam (25%), end semester practical exam (25%), end semester exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Ex &Sp Sc), M N, B App Sc (OT), B App Sc (Phy), B Hlth Sci, UG Study Abroad Program.

This unit of study examines the detailed gross anatomical structure and surface anatomy of the lower limb, trunk and head and neck. Included are the anatomical analyses of functional activities which involve the lower limb, back and neck. Students will also look at the anatomical basis of chewing, swallowing and communication. Material will be presented in lectures, practical sessions and online. Students will also be expected to undertake some independent learning activities. This unit includes laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

#### Textbooks

Palastanga N, Field D and Soames R, Anatomy and Human Movement Structure and Function (5th ed), Butterworth Heinemann Elsevier (2006)  
Abrahams PH, Boon JM and Spratt JD, McMinn's Clinical Atlas of Human Anatomy, Mosby Elsevier (2008)

### BIOS1170

#### Body Systems: Structure and Function Medicine

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Three 1hr lectures, one 2hr practical/week **Prohibitions:** BIOS1127 Body Systems I, BIOS1133 Body Systems: Structure & Function I, BIOS2098 Body Systems: Structure & Function II, BIOS2099 Body Systems II and Pharmacology **Assumed knowledge:** BIOS1167 Human Cell Biology or equivalent **Assessment:** Two formative assessments, mid semester exam (30%), end semester exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Ex &Sp Sc), M N, B App Sc (OT), B App Sc (Phy), UG Study Abroad Program.

This unit will present the gross anatomy, functional histology, physiology and pathophysiology of the cardiovascular, respiratory and renal systems. Specific diseases of these systems that are commonly encountered in health care practice will be described. The unit will also cover the characteristics of the body's fluids and the concept of acid-base balance within the body. This unit includes laboratory classes at which human cadaveric material is studied; attendance at such classes is strongly encouraged.

#### Textbooks

Martini, Fundamentals of Anatomy and Physiology

### BIOS1171

#### Neuroscience Medicine

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Three 1hr lectures, 3hrs practical/week, with a small online component **Prohibitions:** BIOS1137 Introductory Neuroscience, BIOS2103 Neurosciences for Physiotherapists **Assessment:** Mid and end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Ex &Sp Sc), M N, B App Sc (OT), B App Sc (Phy), B Hlth Sc (Hons), B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M Rehab Cing, B Hlth Sci, M Rehab Cing.

This unit of study includes fundamental concepts of nervous system organization and function. Anatomy of the brain and spinal cord is studied using models to understand the cortical and subcortical pathways as well as integrating centres that control movement and posture. The physiology component introduces students to mechanisms of signal generation and transmission, basic mechanisms of spinal reflexes, the function of the somatosensory and autonomic nervous system and motor pathways. Case studies aimed at identifying simple neural problems associated with sensory and motor systems are specifically designed for students following professional preparation degrees.

#### Textbooks

Lundy Ekman L, Neuroscience: Fundamentals of Rehabilitation (3rd ed), Saunders (2007)  
Crossman A and Neary D, Neuroanatomy: An Illustrated Colour Text (2nd ed), Churchill Livingstone (2000)

### BIOS1172

#### Biological Aspects of Ageing Medicine

**Credit points:** 6 **Session:** Semester 1 **Classes:** Distance education mode: independent learning package with email support. No on-campus attendance required **Assumed knowledge:** Physiology of body systems **Assessment:** 2hr exam (50%), 2000 word essay (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

**Associated degrees:** UG Study Abroad Program.

This unit of study examines the physiological changes associated with the normal processes of ageing and the decrease in functional capacity which occurs as a result. It will include a physiological explanation of ageing in relation to the cardiovascular, respiratory, immune, nervous, musculoskeletal, renal and endocrine systems and the skin. An understanding of the normal processes of ageing will help health professionals to interpret the ageing experience from the point of view

of the client, understand the functional limitations which result from ageing, and differentiate 'normal' from 'abnormal' ageing.

### **BIOS1173** **Disease in Ageing** **Medicine**

**Credit points:** 6 **Session:** Semester 2 **Classes:** Distance education mode: independent learning package with email support. No on-campus attendance required **Assumed knowledge:** Physiology of body systems **Assessment:** 2hr exam (50%), 2000 word essay (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

**Associated degrees:** UG Study Abroad Program.

This unit of study examines the disease processes and other physical health issues, which are important as people age. Students will study the factors which are responsible for the increased incidence of disease in the aged, the role of environmental factors in the development of disease, the relationships between disease and functional limitation, and the measures which can be taken to minimise the development and biological impact of disease. Students will also examine the relationships between the biomedical effects of ageing and sexuality. There will be in-depth consideration of one common disease of the aged, and its management in terms of prevention, treatment and residual disability.

### **BIOS2062** **Neuroscience II: Communication Disorders** **Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Roslyn Bohringer **Session:** Semester 1 **Classes:** 4hrs/week **Prerequisites:** BIOS1132 Neuroscience I and BIOS1141 Neuroscience II, or BIOS1166 Neuroscience **Assessment:** Mid semester exam (30%), final exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program.

This unit of study considers the development and anatomy of the brainstem and cranial nerves. The anatomy and physiology of special sensory systems and the control and integration of somatic motor activity with special reference to communication are explored comprehensively. Higher functions of the nervous system and adaptive properties as well as recovery of the nervous system after injury are also examined. Considerable emphasis is placed on the anatomical and physiological basis of neurological problems relating to communication disorders throughout the unit of study. This unit of study includes laboratory classes where tissues from human cadavers are examined in detail; attendance at such classes is required for the unit of study.

### **BIOS2098** **Body Systems: Structure & Function II** **Medicine**

**Credit points:** 3 **Teacher/Coordinator:** Dr Elizabeth Hegedus **Session:** Semester 1 **Classes:** Three 1hr lectures/week, weeks 1-10 **Assumed knowledge:** BIOS1130 Molecules and Energy or CHEM1101 Chemistry IA or CHEM1001 Fundamentals of Chemistry 1A **Assessment:** 30min MCQ exam (20%), 2hr MCQ/SAQ exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, UG Study Abroad Program.

This unit will present the gross anatomy, functional histology and physiology of the renal, digestive, reproductive and endocrine systems, with particular reference to adaptations occurring during exercise and the impact of exercise on system function where appropriate. In addition, immunology and immunological disorders will be covered.

### **BIOS2099** **Body Systems II and Pharmacology** **Medicine**

**Credit points:** 4 **Teacher/Coordinator:** Dr Elizabeth Hegedus **Session:** Semester 1 **Classes:** 3hr lectures/week for 13 weeks **Assumed knowledge:** BIOS1130 Molecules and Energy **Assessment:** Mid semester MCQ exam, end MCQ/SAQ semester exams, formative assessment with feedback **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phy), B App Sc (Phy), UG Study Abroad Program.

This unit will present the gross anatomy, functional histology and physiology of the renal, digestive, reproductive and endocrine systems, with particular reference to adaptations occurring during exercise and the impact of exercise on system function where appropriate. In addition, acid-base balance, pharmacology, immunology and immunological disorders will be covered.

### **BIOS2103** **Neurosciences for Physiotherapists** **Medicine**

**Credit points:** 3 **Teacher/Coordinator:** Dr John Burne **Session:** Semester 2 **Classes:** On-campus, 30hrs **Prerequisites:** BIOS1137 Introductory Neuroscience **Assessment:** Mid semester exam, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Phy), B App Sc (Phy), Health Sciences UG Non-Award, UG Study Abroad Program.

This unit provides an introduction to the anatomy and sensory physiology of the visual, auditory and nociceptive systems. The anatomy and physiology of the cortical and subcortical pathways and integrating centres that control movement and posture are summarized. The basic organization of the associative areas of the cerebral cortex is described and their role in sleep and memory introduced. Tissues from human cadavers will be studied; attendance at these classes is a subject requirement.

### **BIOS2111** **Introductory Toxicology** **Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Helen Ritchie **Session:** Semester 1 **Classes:** 3hrs/week **Assumed knowledge:** Any Junior Biology unit of study **Assessment:** Assignment, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sci, B Hlth Sci, M N.

This unit of study will introduce students to the classification and process of absorption and metabolism and effects of toxic environmental and industrial substances in the body. Topics will include a study of chemical principles related to toxicology, various toxic metals, gases, solvents, pesticides, carcinogens, air pollution, venoms and radiation. The student will be introduced to the principles of hazard identification and risk assessment. An underpinning of basic chemical principles will be included.

### **BIOS3042** **Biological Sciences IIIA** **Medicine**

**Credit points:** 2 **Teacher/Coordinator:** Ms Dana Strain **Session:** Semester 1 **Classes:** Distance education **Assessment:** As specified in learning contract **Campus:** Cumberland **Mode of delivery:** Distance Education

**Associated degrees:** B App Sc (Leis&Hlth), UG Study Abroad Program.

This unit of study will allow students to undertake study in four topic areas covering contemporary issues in health and human biology. It is expected that these areas will be of particular interest to students in their future professional roles. It will provide the opportunity to achieve confidence in dealing with biologically based material, to understand scientifically technical language and to interpret biologically based data.

### **BIOS3043** **Biological Sciences IIIB** **Medicine**

**Credit points:** 2 **Teacher/Coordinator:** Ms Dana Strain **Session:** Semester 2 **Classes:** Distance education **Prerequisites:** BIOS2096 Body Functions and Disease **Assessment:** As specified in learning contract **Campus:** Cumberland **Mode of delivery:** Distance Education

**Associated degrees:** B App Sc (Leis&Hlth), UG Study Abroad Program.

This unit of study will allow students to undertake study in four topic areas covering contemporary issues in health and human biology. It

is expected that these areas will be of particular interest to students in their future professional roles. It will provide the opportunity to achieve confidence in dealing with biologically based material, to understand scientifically technical language and to interpret biologically based data.

### **BIOS3054** **Contemporary Issues in Biomed Sciences** **Medicine**

**Credit points:** 4 **Teacher/Coordinator:** Dr Dana Strain **Session:** Semester 2 **Classes:** Students choose from 3 units which run online or distance modules **Assessment:** Students choose from 3 units which run online or distance modules. The assessment depends upon the choice made **Campus:** Cumberland **Mode of delivery:** On-line

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Leis&Hlth), B App Sc (Leis&Hlth)Hons, UG Study Abroad Program.

This unit of study will allow students to undertake study in three topic areas covering contemporary issues in health and human biology. It is expected that these areas will be of particular interest to students in their future professional roles. It will provide the opportunity to achieve confidence in dealing with biologically based material, to understand scientific technical language and to interpret biologically based data. Students enrolled in this unit of study will choose to work in one of the following areas: sexuality for health professionals; alternate health care or health disease and ageing. Assessments and instructional methodology will vary according to the topic selected.

### **BIOS3061** **Embryology & Genetics** **Medicine**

**Credit points:** 3 **Session:** Semester 2 **Classes:** 3hrs/week **Assumed knowledge:** BIOS1126 Human Biology and Biochemistry and BIOS2107 Ocular Biology II **Assessment:** 1hr exam (70%), presentation and report (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Orth), B App Sc (Orth), B App Sc (Orth)Hons.

An introduction to embryology and genetics, with particular reference to the structures of the head, orbit and eye.

### **BIOS3062** **Ocular Motor Systems** **Medicine**

**Credit points:** 3 **Teacher/Coordinator:** Dr Alan Freeman **Session:** Semester 2 **Classes:** 2hrs lectures/week **Assumed knowledge:** BIOS1141 Neuroscience II **Assessment:** 1hr mid semester exam (30%), 2hr end semester exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Orth), B App Sc (Orth), B App Sc (Orth)Hons. Neuroanatomy, physiology and plasticity of the ocular motor system.

### **BIOS3063** **Project Design and Management** **Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Gary Lee **Session:** Semester 1, Semester 2 **Classes:** 1hr lecture, 2hrs tutorial/week **Assessment:** 1500 word group report (70%), 1000 word individual report (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B B Hlth Sc, B Hlth Sc (Hons), B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M N, B Hlth Sci, M Rehab Cng, B O H, UG Study Abroad Program.

This unit of study examines the principles and factors involved in the design and management of services, programs, and projects. Students will develop skills in planning, developing, implementing and evaluating projects as well as be given an introduction to financial management.

### **BIOS3065** **Anatomical Analysis of Exercise**

### **Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Karen Ginn **Session:** Semester 2 **Classes:** 1hr lecture, 2hr practical/tutorial class/week **Prerequisites:** BIOS1136 Functional Anatomy A or BIOS1159 Functional Anatomy A- Exercise Science and BIOS1160 Functional Anatomy B- Exercise Science or BIOS1144 Functional Anatomy B (Physiotherapy) or BIOS1139 Functional Anatomy B, or BIOS1168 Functional Musculoskeletal Anatomy A and BIOS1169 Functional Musculoskeletal Anatomy B **Assessment:** Formative assessment during practical classes and tutorials. Summative assessment: group project and presentation (40%), written exam (40%), contribution to class activities (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Preference will be given to students who have achieved graded passes in prerequisite units of study*

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (OT), B App Sc (Phy), B App Sc (Phy), B Hlth Sc (Hons), B Hlth Sci.

This unit of study will extend the student's knowledge of functional musculoskeletal anatomy by applying functional anatomy principles to the analysis of exercises. Relevant research and advanced knowledge of functional musculoskeletal anatomical concepts will be used to explore exercises designed to: strengthen and lengthen specific muscles; improve muscle coordination; develop dynamic stability; and prevent the development of muscle imbalances that may contribute to musculoskeletal injury. The application of musculoskeletal anatomy principles to increase exercise difficulty and variety will also be explored. This unit will include laboratory classes in which human cadavers are studied; attendance at such classes is strongly encouraged.

### **BIOS3066** **Current Issues in Healthcare** **Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Diana Oakes **Session:** Semester 1 **Classes:** 3hrs/week **Assessment:** Online assessment (20%), group work activities (40%), end semester exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Hons), B Hlth Sci, B Hlth Sci, M N, UG Study Abroad Program.

This unit introduces students to selected developments that are impacting, or are likely to impact, on the practice and management of the health care in Australia. Because health care is driven by a multitude of forces, the scope of the developments studied is broad. Topics to be covered will be drawn from the basic sciences applicable to health care, and health management. Examples of the topics under consideration include quality management in the manufacture of alternative health products, medical indemnity, the relationship between vaccination and disease, and psychoneuroimmunology. Because issues current in health care will change from year to year, student should consult with the unit of study coordinator to ascertain what will be covered in the unit in a particular year. Material will be presented in lectures, with use of self-directed learning and individual or group projects. The unit integrates units of study completed earlier in the program, thus enabling students to apply their knowledge while developing the skills needed to analyse, understand and anticipate future directions in health care.

### **BIOS3068** **Environmental Toxicology** **Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Diana Oakes **Session:** Semester 1, Semester 2 **Classes:** Three 1hr lectures/week **Prerequisites:** BIOS2111 Introductory Toxicology **Assessment:** 2hr end semester exam (45%), case study reports (55%) **Practical field work:** Two 2hr practicals/semester **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Hlth Sc (Hons), B Hlth Sci, B Hlth Sci, M N.

The unit examines the chemical principles related to toxicology and the effects of toxic agents on various body systems as well as developmental and reproductive toxicology, genetic toxicology and carcinogenesis as well as potential sources of injury in the environment, with particular emphasis on the workplace. Job analyses will be used to evaluate environmental exposures. The mode of

delivery will include lectures and practical sessions. In addition, the unit will be supported by case studies of toxic exposures in the workplace, learning materials (on-line worksheets) and assessment tasks that develop relevant generic skills (written communication).

*Textbooks*

Casarett and Duoll, Essentials of Toxicology (2003)

### BIOS4035

#### Sexuality for Health Professionals

##### Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Patricia Weerakoon **Session:** Semester 1, Semester 2 **Classes:** This unit is offered online. Attendance on campus is required only for the first session in Wk 1 of the semester **Assessment:** Group work assignment, individual assignment, online mastery type multiple-choice test **Campus:** Cumberland **Mode of delivery:** On-line  
*Note: This elective is only available to students in Year 2 or higher*

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, B Hlth Sc (Hons), B Hlth Sc (Rehab Cing), B Hlth Sc (Rehab Cing) Hons, B Hlth Sci, UG Study Abroad Program.

This unit will examine the bio-psycho-social aspects of sexuality and health care, and assist health professionals to develop services for clients who have sexual or reproductive concerns. The course unit will provide a learning opportunity for the integration and application of prior learning in the disciplines involved. It will build on an existing knowledge base in the basic sciences and the professional disciplines. In addition, the students will be encouraged to examine their attitudes towards a range of sexual behaviours and develop skills in sexual history taking. Sexuality will be explored from a life cycle perspective. Sexual development will be traced from sexual differentiation to old age with consideration of the range of sexual expression at each stage. Students will explore normal and dysfunctional behaviour and available management options. They will be given the opportunity to explore individual interest areas in depth. Students will also be involved in experiential learning activities including value clarification exercises and off-campus experiences. Collaborative learning will be encouraged with online group discussions. Enrolment in this unit will be limited to 80 participants.

### BMED2551

#### Medical Science Exchange

##### Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc.

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### BMED2552

#### Medical Science Exchange

##### Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc.

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### BMED2553

#### Medical Science Exchange

##### Medicine

**Credit points:** 8 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc.

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### BMED2554

#### Medical Science Exchange

##### Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc.

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### BMED2555

#### Medical Science Exchange

##### Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc.

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### BMED2556

#### Medical Science Exchange

##### Medicine

**Credit points:** 8 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc.

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### BMED2801

#### Cell Structure and Function

##### Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Vladimir Balcar **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; five hours of tutorials or practicals every fortnight. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study **Prohibitions:** All Intermediate level units offered by the Schools of Molecular and Microbial Biosciences, Medical Sciences and BIOL(2006/2906) and BIOL(2016/2916) **Assessment:** One 2 hour theory exam; three in-semester assessments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc.

This unit of study begins with a discussion of the unique morphology of unicellular prokaryotic organisms (bacteria, fungi and viruses) followed by the structure and function of human cells. A strong understanding of cellular structures is essential for an appreciation of whole body function. Basic cell structure is examined by focussing on cell specialisation and tissue organisation in humans. The structure and function of excitable cells such as nerve and muscle will lead to a discussion of membrane potential, synaptic transmission and neuromuscular junction. The unit of study then gives an introduction into how gene expression is regulated during development, and how the cell cycle is controlled to coordinate programmed events such as differentiation and cell death. This allows discussion of the consequences and treatment of abnormal tissue growth (cancer).

Practical classes not only complement the lecture material but also introduce students to a wide range of technical skills, tissue processing and bacterial cultivation. In addition, the sessions are also designed to provide students with generic skills such as record keeping, data collection and presentation, protocol planning and written communication.

## BMED2802

### Molecular Basis of Medical Sciences Medicine

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Robin Allan **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; five hours of tutorials or practicals every fortnight. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study **Prohibitions:** All Intermediate level units offered by the Schools of Molecular and Microbial Biosciences, Medical Sciences and BIOL(2006/2906) and BIOL(2016/2916) **Assessment:** One 2 hour theory exam; three in-semester assessments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc.

This unit of study extends pre-existing understanding of the way in which genetic information is stored, transmitted and expressed. Students will be introduced to the role of enzymes in the catalysis of cellular reactions and the pharmacological strategies employed to exploit our knowledge of these mechanisms is then discussed. Intracellular signalling cascades, cell to cell signalling and pharmacological intervention in these processes is covered. The molecular basis of drug action and the use of DNA technology in drug design will be discussed. Students will then cover the application of medical genetics to the study of advanced gene expression, recombinant technology, cloning and gene products, transgenics and the linkage and mapping of genes including reference to DNA fingerprinting and the human genome project and gene therapy.

The technical skills taught in the practical classes include the use of restriction enzymes, the separation of DNA molecules using electrophoresis, the inspection of chromosomes, linkage mapping, gene transfer and the measurement of gene expression. In addition to nurturing the skills involved in the design and execution of experiments, the practical sessions will formally teach students report writing skills and will give students practice at articulating feedback to their peers.

#### Textbooks

Genes IX (9th edition, Jones & Bartlett, 2008)

## BMED2803

### Cardiac, Respiratory and Renal Function Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Suzanne Ollerenshaw **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; five hours of tutorials or practicals every fortnight. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study **Prohibitions:** All Intermediate level units offered by the Schools of Molecular and Microbial Biosciences, Medical Sciences and BIOL(2006/2906) and BIOL(2016/2916) **Assessment:** One 2hr theory exam; three in-semester assessments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc.

The maintenance of constant conditions in the human body is dependent on thousands of intricate control mechanisms. This unit of study examines many of those homeostatic processes with specific reference to major apparatus such as the respiratory, cardiovascular and renal. The structure and function of the cardiovascular system is discussed and cardiac output, blood pressure and blood flow are studied. Discussion of the respiratory system embraces the structure of the respiratory organs and description of the mechanism of the transport of gases to and from cells. Similar treatment of the renal system involves anatomical and histological investigation of kidney structure and a physiological description of kidney function.

Practical classes are designed to nurture the same generic attributes taught in BMED2801 and BMED2802 but, in addition, students are introduced to a wide range of anatomical and physiological technical skills. Specifically, students will investigate the structure and function of the heart and blood vessels, the components of the respiratory system and the kidney - all at the cellular and organ level. Students

will also conduct experiments (often on themselves) which show how heart rate and blood pressure are controlled, how breathing is regulated and how urine output is modulated in response to both physiological and pharmacological stimuli.

## BMED2804

### Digestion, Absorption and Metabolism Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Kim Bell-Anderson **Session:** Semester 2 **Classes:** Two 1 hour lectures per week; five hours of tutorials or practicals every fortnight. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study **Prohibitions:** All Intermediate level units offered by the Schools of Molecular and Microbial Biosciences, Medical Sciences and BIOL(2006/2906) and BIOL(2016/2916) **Assessment:** One 2 hour theory exam; three in-semester assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc.

This unit of study gives an introduction to the structures used to digest and absorb fuels, at both the anatomical and histological level. This is then followed by discussion of the utilisation and fate of absorbed nutrients. After an overview of the alimentary tract and associated organs, the detailed anatomy of the oral cavity, oesophagus, stomach, intestines, liver, etc is considered. This is complemented by description of the specialised cell types in the digestive system, discussion of the transport mechanisms employed to absorb nutrients, and consideration of the control systems used to regulate activity of the digestive process. The role of intestinal microflora in the gastrointestinal tract, contributing to both beneficial digestion and absorption of nutrients, as well as to pathogenic disruption, is also discussed in this unit of study. The fundamentals of metabolism are introduced, in particular, the chemical reactions that are responsible for fuel processing. The pharmacokinetic angle is explored further with discussion of the metabolism and absorption of drugs including the detoxification and excretion of xenobiotic compounds.

Practical classes give students extensive experience with inspection of the digestive system at both the cellular and gross anatomical level. The peristaltic reflex and pharmacological influences are explored. These sessions are designed to nurture observation, data analysis, record keeping and report writing skills.

## BMED2805

### Hormones, Reproduction and Development Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Miriam Frommer **Session:** Semester 2 **Classes:** Two 1 hour lectures per week; five hours of tutorials or practicals every fortnight. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study **Prohibitions:** All Intermediate level units offered by the Schools of Molecular and Microbial Biosciences, Medical Sciences and BIOL(2006/2906) and BIOL(2016/2916) **Assessment:** One 2 hr theory exam; three in-semester assessments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc.

This unit of study examines hormonal control of human body processes. Specifically, students will investigate the structure and function of endocrine glands: such as the pituitary, thyroid and pancreas - all at the cellular and organ level. Examples of the influence of hormones on metabolic processes are provided by consideration of fuel selection during exercise and starvation, and in diabetes and obesity. The fate of the macronutrients (carbohydrate, fat and protein) is then considered by reference to their uptake, disposal and reassembly into storage fuels and cellular structures. Biochemical pathways involved in the extraction of energy from the macronutrient fuels are then covered, with particular emphasis on the whole body integration and regulation of these metabolic processes. This leads on to discussion of performance enhancing drugs and also provides a solid background for the understanding of pharmacological intervention in these conditions. The hormones involved in reproduction, contraception, fertilisation and pregnancy are also discussed, leading on to foetal-new-born transition and the development of the human embryo and cell differentiation.

In the practical classes, students are introduced to a wide range of technical skills. Specifically, students will investigate the structure and

function of the important endocrine glands - all at the cellular and organ level. Students will design a biochemical kit for the evaluation of blood glucose and will perform a glucose tolerance test to investigate how glucose levels are regulated and modulated in response to a glucose load. In addition, sessions are designed to nurture oral presentation skills, hypothesis testing, data analysis, troubleshooting, instruction writing and feedback skills.

### BMED2806

#### Sensory and Motor Functions Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Richard Ward **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; five hours of tutorials or practicals every fortnight. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study **Prohibitions:** All Intermediate level units offered by the Schools of Molecular and Microbial Biosciences, Medical Sciences and BIOL(2006/2906) and BIOL(2016/2916) **Assessment:** One 2 hour theory exam; three in-semester assessments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc.

This unit of study examines how neural and motor systems are adapted to sense and respond to changes in the external environment. After consideration of the basic anatomical organisation of the nervous and sensory systems, the way in which nerve signals are integrated and coordinated in response to external stimuli are covered in more detail. Various senses such as vision, touch and hearing are studied, together with a discussion on motor reflexes. The receptors involved in normal modes of communications are discussed before specific examples such as the fright and flight and stress responses are considered. This is complemented by discussion of the effects of drugs on the nervous system, with special reference to pain and analgesics. An appreciation is gained of how toxins and infections can perturb the normal neuromuscular co-ordination. Thus, pharmacological and pathological considerations, such as the use of poisoned arrows and muscle paralysis and viral and tetanus infections, are studied in concert with relevant physiological concepts.

In practical classes, students perform experiments (often on themselves) to illustrate the functioning of the senses and motor control and coordination involving both stretch and flexor reflexes. In addition, students extend their anatomical expertise by examining the structure and function of the nervous system and the skeleton (especially the vertebral column, the thorax and the limbs). Practical sessions also include the effects of analgesics on experimental pain and case studies of tetanus and botulism. The practical sessions draw widely on, and nurture, the generic skills taught in preceding units of study but particularly in BMED2804 and BMED2805.

### BMED2807

#### Microbes and Body Defences Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Allison Abendroth **Session:** Semester 2 **Classes:** Two 1 hour lectures per week; five hours of tutorials or practicals every fortnight. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study **Prohibitions:** All Intermediate level units offered by the Schools of Molecular and Microbial Biosciences, Medical Sciences and BIOL(2006/2906) and BIOL(2016/2916) **Assessment:** One 2hr theory exam; three in-semester assessments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc.

This unit of study begins by introducing the concepts of disease transmission, pathogenicity and virulence mechanisms of microbes. How the body deals with injury and infection is discussed by exploring host defences. Sections on wound healing, clotting and inflammation cover the response to physical damage and this is complemented by discussion of the pharmacological basis of anti-inflammatory agents and anti-coagulants.

For a full understanding of the process of infection, it is necessary to have an appreciation of the range of pathogens and injuries with which the body must cope. Therefore this unit of study examines the structure and function of pathogenic microorganisms (including bacteria, fungi, protists, and viruses, etc). The response of the body to pathogen invasion is studied by discussion of both molecular and cellular immune

responses. In particular, this gives students an appreciation of the structure, production and diversity of antibodies, the processing of antigens, operation of the complement system and recognition and destruction of invading cells. This allows students to appreciate the basis of derangements of the immune system and the mechanism of action of immuno-modulatory drugs.

Practical classes allow students to obtain experience in, and an understanding of, a range of techniques in classical and molecular virology, bacteriology and immunology. In addition, the practical sessions draw widely on, and nurture, the generic skills taught in preceding units of study.

### BMED2808

#### Disease in Society Science

**Credit points:** 6 **Teacher/Coordinator:** Helen Agus **Session:** Semester 2 **Classes:** Two 1 hour lectures per week; five hours of tutorials or practicals every fortnight. **Prerequisites:** 42 credit points of Junior Bachelor of Medical Science units of study **Prohibitions:** All Intermediate level units offered by the Schools of Molecular and Microbial Biosciences, Medical Sciences and BIOL(2006/2906) and BIOL(2016/2916) **Assessment:** One 2hr theory exam; three in-semester assessments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc.

Disease in Society seeks to integrate basic knowledge of important diseases, ranging from metabolic diseases through airways and heart disease and cancer to infections. About half the unit considers infectious diseases: viral, bacterial, fungal and parasitic. The other half looks at inherited disorders, cardio-respiratory disorders such as angina, heart failure and asthma. Society's approaches to dealing with these diseases - whether by pharmacological intervention, counselling or lifestyle change are discussed. Putting the disease in the relevant social context is emphasized in all aspects of the unit.

The impact of bacteria and viruses on individuals and society is taught with reference to specific infectious diseases (eg influenza, polio, herpes, STDs, etc) and this leads into an introduction of epidemiology. Included in the discussion of the way in which these organisms cause and transmit disease is a consideration of how antibiotics and anti-viral drugs work and how microbes can become drug resistant.

Practical classes are designed to complement the lectures and provide a 'hands-on' experience in investigating disease. Also included are tutorial sessions in which hospital microbiologists guide students through clinical case studies and in an integrated session, students examine the infection, immunity and pathology of tuberculosis. These sessions are designed to nurture an appreciation of the importance of an integrative approach to the study of disease in today's society. The generic skills taught in preceding units of study are further reinforced.

### BRSS1007

#### Trumpet 2 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS1006 Trumpet 1 (Major) **Assessment:** Jury exam assessed by Panel: 15 mins (instrument specific). Teacher Grade 50%, Panel Grade 50%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS1601

#### French Horn 1

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshop/wk **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS1602

#### French Horn 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** BRSS1601 French Horn 1 **Assessment:** Jury exam assessed by Panel of 10-15 minutes (instrument specific) Teacher Grade 50%. Panel Grade 50%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS1611

#### Trombone 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS1612

#### Trombone 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** BRSS1611 Trombone 1 **Assessment:** Jury exam assessed by Panel of 10-15 minutes (instrument specific) Teacher Grade 50%. Panel Grade 50%. Students must pass all assessed components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS1621

#### Trumpet 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS1622

#### Trumpet 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** BRSS1621 Trumpet 1 **Assessment:** Jury exam assessed by Panel of 10-15 minutes (instrument specific) Teacher Grade 50%. Panel Grade 50%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS1631

#### Tuba 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS1632

#### Tuba 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** BRSS1631 Tuba 1 **Assessment:** Jury exam assessed by Panel of 10-15 minutes (instrument specific) Teacher Grade 50%. Panel Grade 50%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS2008

#### Trumpet 3 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS1007 Trumpet 2 (Major) or audition **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS2009

#### Trumpet 4 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BMus: BRSS2008 Trumpet 3 (Major); DipMus: BRSS1007 Trumpet 2 (Major) **Assessment:** Qualifying Exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. Dip Mus - Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS2010

#### Tuba 3 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Steven Rosse **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS1009 Tuba 2 (Major) or audition **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### **BRSS2011**

##### **Tuba 4 (Major)**

##### **Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Steven Rosse **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS2010 Tuba 3 (Major) **Assessment:** Qualifying Exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. Dip Mus - Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### **BRSS2603**

##### **French Horn 3**

##### **Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** BRSS1602 French Horn 2 **Corequisites:** BRSS2703 French Horn 3 (Adv) - Dip Mus only **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit

#### **BRSS2604**

##### **French Horn 4**

##### **Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** BRSS2603 French Horn 3 **Corequisites:** BRSS2704 French Horn 4 (Adv) - Dip Mus only **Assessment:** Jury/qualifying exam assessed by panel 15-25 minutes BMus 25 mins; BMusStud & BMus MusED 15 mins OR public recital at junior level assessed by panel 40 minutes (DipMus only) Teacher Grade 20%, Panel 80%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### **BRSS2613**

##### **Trombone 3**

##### **Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** BRSS1612 Trombone 2 **Corequisites:** BRSS2713 Trombone 3 (Adv) - Dip Mus only **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit

#### **BRSS2614**

##### **Trombone 4**

#### **Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** BRSS2613 Trombone 3 **Corequisites:** BRSS2714 Trombone 4 (Adv) - Dip Mus only **Assessment:** Jury/qualifying exam assessed by panel 15-25 minutes BMus 25 mins; BMusStud & BMus MusED 15 mins OR public recital at junior level assessed by panel 40 minutes (DipMus only) Teacher Grade 20%, Panel 80%. Students must pass all assessed components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### **BRSS2623**

##### **Trumpet 3**

##### **Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** BRSS1622 Trumpet 2 **Corequisites:** BRSS2723 Trumpet 3 (Adv) - Dip Mus only **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit

#### **BRSS2624**

##### **Trumpet 4**

##### **Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** BRSS2623 Trumpet 3 **Corequisites:** BRSS2724 Trumpet 4 (Adv) - Dip Mus only **Assessment:** Jury/qualifying exam assessed by panel 15-25 minutes BMus 25 mins; BMusStud & BMus MusED 15 mins OR public recital at junior level assessed by panel 40 minutes (DipMus only) Teacher Grade 20%, Panel 80% . Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### **BRSS2633**

##### **Tuba 3**

##### **Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** BRSS1632 Tuba 2 **Corequisites:** BRSS2733 Tuba 3 (Advanced) - Dip Mus only **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit

#### **BRSS2634**

##### **Tuba 4**

##### **Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** BRSS2633 Tuba 3 **Corequisites:** BRSS2734 Tuba 4 (Adv) - Dip Mus only **Assessment:** Jury/qualifying exam assessed by panel 15-25 minutes BMus 25 mins; BMusStud & BMus MusED 15 mins OR public recital at junior level assessed by panel 40 minutes (DipMus only) Teacher Grade



20%, Panel 80% . Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS2703

#### French Horn 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** BRSS1602 French Horn 2 **Corequisites:** BRSS2603 French Horn 3 **Assessment:** Practice journal, performance journal including proposal for junior level recital (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

### BRSS2704

#### French Horn 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 12 one hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** BRSS2703 French Horn 3 (Adv) **Corequisites:** BRSS2604 French Horn 4 **Assessment:** Practice and performance journal of junior recital preparation (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

### BRSS2713

#### Trombone 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** BRSS1612 Trombone 2 **Corequisites:** BRSS2613 Trombone 3 **Assessment:** Practice journal, performance journal including proposal for junior level recital (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

### BRSS2714

#### Trombone 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 12 one hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** BRSS2713 Trombone 3 (Adv) **Corequisites:** BRSS2614 Trombone 4 **Assessment:** Practice and performance journal of junior recital preparation (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

### BRSS2723

#### Trumpet 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** BRSS1622 Trumpet 2 **Corequisites:** BRSS2623 Trumpet 3 **Assessment:** Practice journal, performance journal including proposal for junior level recital (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

### BRSS2724

#### Trumpet 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 12 one hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** BRSS2723 Trumpet 3 (Adv) **Corequisites:** BRSS2624 Trumpet 4 **Assessment:** Practice and performance journal of junior recital preparation (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

### BRSS2733

#### Tuba 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** BRSS1632 Tuba 2 **Corequisites:** BRSS2633 Tuba 3 **Assessment:** Practice journal, performance journal including proposal for junior level recital (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

### BRSS2734

#### Tuba 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 12 one hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** BRSS2733 Tuba 3 (Adv) **Corequisites:** BRSS2634 Tuba 4 **Assessment:** Practice and performance journal of junior recital preparation (DipMus only); presentations, performances and/or other participation in unit classes as required. 100%

**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

### BRSS3010

#### Trombone 5 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Scott Kinmont **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS2007 Trombone 4 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS3011

#### Trombone 6 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Scott Kinmont **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS3010 Trombone 5 (Major) **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS3012

#### Trumpet 5 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS2009 Trumpet 4 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS3013

#### Trumpet 6 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS3012 Trumpet 5 (Major) **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS3014

#### Tuba 5 (Major)

### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Steven Rosse **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS2011 Tuba 4 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS3015

#### Tuba 6 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Steven Rosse **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS3014 Tuba 5 (Major) **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS3605

#### French Horn 5

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** BRSS2604 French Horn 4 **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit

### BRSS3606

#### French Horn 6

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** BRSS3605 French Horn 5 **Assessment:** Public recital at junior level assessed by panel 40 minutes or jury exam assessed by panel 20 minutes (BMusStud & BMus MusED only). Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### BRSS3615

#### Trombone 5

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** BRSS2614 Trombone 4 **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit

**BRSS3616****Trombone 6****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** BRSS3615 Trombone 5 **Assessment:** Public recital at junior level assessed by panel 40 minutes or jury exam assessed by panel 20 minutes (BMusStud & BMus MusED only). Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**BRSS3625****Trumpet 5****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** BRSS2624 Trumpet 4 **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit

**BRSS3626****Trumpet 6****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** BRSS3625 Trumpet 5 **Assessment:** Public recital at junior level assessed by panel 40 minutes or jury exam assessed by panel 20 minutes (BMusStud & BMus MusED only). Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**BRSS3635****Tuba 5****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** BRSS2634 Tuba 4 **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit

**BRSS3636****Tuba 6****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** BRSS3635 Tuba 5 **Assessment:** Public recital at junior level assessed by panel 40 minutes or jury exam assessed by panel 20 minutes (BMusStud & BMus MusED only). Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**BRSS4004****French Horn 7 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Andrew Bain **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS3005 French Horn 6 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**BRSS4006****French Horn 8 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Andrew Bain **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS4004 French Horn 7 (Major) **Assessment:** Recital at Senior level assessed by Panel: 50mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**BRSS4010****Trombone 7 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Scott Kinmont **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS3011 Trombone 6 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**BRSS4012****Trombone 8 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Scott Kinmont **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS4010 Trombone 7 (Major) **Assessment:** Recital at Senior level assessed by Panel: 50mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**BRSS4014****Trumpet 7 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS3013 Trumpet 6 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## BRSS4016

### Trumpet 8 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS4014 Trumpet 7 (Major) **Assessment:** Recital at Senior level assessed by Panel: 50mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## BRSS4018

### Tuba 7 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Steven Rosse **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS3015 Tuba 6 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## BRSS4020

### Tuba 8 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Steven Rosse **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk **Prerequisites:** BRSS4018 Tuba 7 (Major) **Assessment:** Recital at Senior level assessed by Panel: 50mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## BRSS4607

### French Horn 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** BRSS3606 French Horn 6 **Corequisites:** BRSS4707 French Horn 7 (Adv) **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## BRSS4608

### French Horn 8

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** BRSS4607 French Horn 7 **Corequisites:** BRSS4708 French Horn 8 (Adv) **Assessment:** Public recital at senior level assessed by panel 50 mins; Teacher Grade 20%; panel grade 80%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

## BRSS4617

### Trombone 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** BRSS3616 Trombone 6 **Corequisites:**

BRSS4717 Trombone 7 (Adv) **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## BRSS4618

### Trombone 8

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** BRSS4617 Trombone 7 **Corequisites:** BRSS4718 Trombone 8 (Adv) **Assessment:** Public recital at senior level assessed by panel 50 mins; Teacher Grade 20%; panel grade 80%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## BRSS4627

### Trumpet 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** BRSS3626 Trumpet 6 **Corequisites:** BRSS4727 Trumpet 7 (Adv) **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## BRSS4628

### Trumpet 8

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** BRSS4627 Trumpet 7 **Corequisites:** BRSS4728 Trumpet 8 (Adv) **Assessment:** Public recital at senior level assessed by panel 50 mins; Teacher Grade 20%; panel grade 80%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## BRSS4637

### Tuba 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** BRSS3636 Tuba 6 **Corequisites:** BRSS4737 Tuba 7 (Adv) **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## BRSS4638

### Tuba 8

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** BRSS4637 Tuba 7 **Corequisites:** BRSS4738 Tuba 8 (Adv) **Assessment:** Public recital at senior level assessed by panel 50 mins; Teacher Grade 20%; panel grade 80%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### BRSS4707

##### French Horn 7 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 12 one hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** BRSS3606 French Horn 6 **Corequisites:** BRSS4607 French Horn 7 **Assessment:** Practice journal, performance journal including proposal for junior level/jury exam; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

#### BRSS4708

##### French Horn 8 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 12 one hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** BRSS4707 French Horn 7 (Adv) **Corequisites:** BRSS4608 French Horn 8 **Assessment:** Practice and performance journal of senior recital preparation; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

#### BRSS4717

##### Trombone 7 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 12 one hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** BRSS3616 Trombone 6 **Corequisites:** BRSS4617 Trombone 7 **Assessment:** Practice journal, performance journal including proposal for junior level/jury exam; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

#### BRSS4718

##### Trombone 8 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 12 one hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** BRSS4717 Trombone 7 (Adv) **Corequisites:** BRSS4618 Trombone 8 **Assessment:** Practice and performance journal of senior recital preparation; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

#### BRSS4727

##### Trumpet 7 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** BRSS3626 Trumpet 6 **Corequisites:** BRSS4627 Trumpet 7 **Assessment:** Practice journal, performance journal including proposal for junior level/jury exam; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

#### BRSS4728

##### Trumpet 8 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 12 one hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** BRSS4727 Trumpet 7 (Adv) **Corequisites:** BRSS4628 Trumpet 8 **Assessment:** Practice and performance journal of senior recital preparation; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

#### BRSS4737

##### Tuba 7 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 12 one hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** BRSS3636 Tuba 6 **Corequisites:** BRSS4637 Tuba 7 **Assessment:** Practice journal, performance journal including proposal for junior level/jury exam; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

#### BRSS4738

##### Tuba 8 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Andrew Evans **Session:** Semester 1, Semester 2 **Classes:** 12 one hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** BRSS4737 Tuba 7 (Adv) **Corequisites:** BRSS4638 Tuba 8 **Assessment:** Practice and performance journal of senior recital preparation; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

# University undergraduate units of study – C

## CAEL2003

### Warm Glass Elective Introductory Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Andrew Lavery **Session:** Semester 1, Semester 2 **Classes:** 2 hours contact and a minimum of 2 hours of independent study **Assessment:** Assessment is continuous and culminates with an end of semester assessment where projects are presented for critical review. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The introductory Elective unit in Warm Glass provides a studio-based approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a project-based curriculum addressing concepts, methodologies and technologies integral to kiln fusing and slumping (Warm Glass).

## CAEL2004

### Warm Glass Elective Intermediate Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Andrew Lavery **Session:** Semester 1, Semester 2 **Classes:** 2 hours contact and a minimum of 2 hours of independent study **Prerequisites:** CAEL2003 **Assessment:** Assessment is continuous and culminates with an end of semester assessment where projects are presented for critical review. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This elective is designed to continue glass research at an intermediate level with a view to becoming self-directed.

The intermediate Elective unit in Warm Glass provides a studio-based approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a project-based curriculum addressing concepts, methodologies and technologies integral to kiln fusing and slumping (Warm Glass).

## CAEL2005

### Glass Flame Working Elective Intro Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Andrew Lavery **Session:** Semester 1, Semester 2 **Classes:** 2 hours contact and a minimum of 2 hours of independent study **Assessment:** Assessment is continuous and culminates with an end of semester assessment where projects are presented for critical review. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The introductory Elective unit in Glass Flame-work provides a studio-based approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a project-based curriculum addressing concepts, methodologies and technologies integral to contemporary Glass Flame-work.

## CAEL2006

### Glass Flame Working Elective Inter Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Andrew Lavery **Session:** Semester 1, Semester 2 **Classes:** 2 hours contact and a minimum of 2 hours of independent study **Prerequisites:** CAEL2005 **Assessment:** Assessment is continuous and culminates with an end of semester assessment where projects

are presented for critical review. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This elective is designed to continue glass research at an intermediate level with a view to becoming self-directed.

The intermediate Elective unit in Glass Flame-work provides a studio-based approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a project-based curriculum addressing concepts, methodologies and technologies integral to contemporary Glass Flame-work.

## CAEL2007

### Glass Casting Elective Introductory Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Andrew Lavery **Session:** Semester 1, Semester 2 **Classes:** 2 hours contact and a minimum of 2 hours of independent study **Assessment:** Assessment is continuous and culminates with an end of semester assessment where projects are presented for critical review. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The introductory unit in casting glass provides a studio-based approach to the production of creative work. It will give students a basic understanding of open-face glass casting through practical experience with clay modelling, simple mould-making (investing), firing and basic cold working.

Throughout the semester students will, in consultation with a tutor, follow a project-based curriculum that addresses concepts, methodologies and technologies integral to contemporary Glass.

## CAEL2008

### Glass Casting Elective Intermediate Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Andrew Lavery **Session:** Semester 1, Semester 2 **Classes:** 2 hours contact and a minimum of 2 hours of independent study **Prerequisites:** CAEL2007 **Assessment:** Assessment is continuous and culminates with an end of semester assessment where projects are presented for critical review. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This elective is designed to continue glass research at an intermediate level with a view to becoming self-directed.

The intermediate unit in casting glass provides a studio-based approach to the production of creative work. It will give students a basic understanding of open-face glass casting through practical experience with clay modelling, simple mould-making (investing), firing and basic cold working.

## CAEL2009

### Hot Glass Elective Introductory Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Andrew Lavery **Session:** Semester 1, Semester 2 **Classes:** 2 hours contact and a minimum of 2 hours of independent study **Assessment:** Assessment is continuous and culminates with an end of semester assessment where projects are presented for critical



review. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Introductory Elective unit in Hot Glass provides a studio-based approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a project-based curriculum addressing concepts, methodologies and technologies integral to contemporary hot glass.

## CAEL2010

### Hot Glass Elective Intermediate Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Andrew Lavery **Session:** Semester 1, Semester 2 **Classes:** 2 hours contact and a minimum of 2 hours of independent study **Prerequisites:** CAEL2009 **Assessment:** Assessment is continuous and culminates with an end of semester assessment where projects are presented for critical review. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This elective is designed to continue glass research at an intermediate level with a view to becoming self-directed.

The Intermediate Elective unit in Hot Glass provides a studio-based approach to the production of creative work. Throughout the semester students will in consultation with an academic staff member, follow a project-based curriculum addressing concepts, methodologies and technologies integral to contemporary hot glass.

## CAEL2022

### Electronic & New Media Art Elective Intr Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Steven Lojewski **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week and a minimum 3 hours of independent study outside of class, **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This unit provides a studio-based approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a project-based curriculum addressing concepts, methodologies and technologies integral to electronic and new media art. Thematic approaches will be supported by technical introductions to encourage exploration with electronic and new media art methodologies. The unit provides for the development and enhancement of critical skills through group and individual tutorials and critiques and through the acquisition of technical skills appropriate to the assigned projects.

## CAEL2028

### Artist in Residence 1 Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Jane Gavan **Session:** Semester 1, Semester 2 **Classes:** Depends on visiting artist **Assessment:** This unit has a pass/fail grading result. Method of assessment to be advised by Chair of individual subject areas. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission to enrol required. See Academic Advisor*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This unit draws on the SCA artists-in-residence program to develop analyses, and a practical understanding, of how new work is developed. Visiting artists will propose and run programs that are primarily research-led learning experiences for students.

The program is offered according to visiting artists' availability and scheduled activities in semester one or two. The learning activities for this unit may be intensive over a short period, and timetables will be available through the chair of each subject area.

## CAEL3002

### Warm Glass Elective Advanced Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Andrew Lavery **Session:** Semester 1, Semester 2 **Classes:** 2 hours contact and a minimum of 2 hours of independent study **Prerequisites:** CAEL2004 **Assessment:** Assessment is continuous and culminates with an end of semester assessment where projects are presented for critical review. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This unit is designed for students to undertake self-directed work . It is expected that students will develop proposal related projects specific to the sub discipline area of the elective they have chosen.

The Advanced Elective follows a self-directed curriculum addresses concepts, methodologies and technologies integral to kiln fusing and slumping (Warm Glass).

## CAEL3003

### Glass Flame Working Elective Advanced Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Andrew Lavery **Session:** Semester 1, Semester 2 **Classes:** 2 hours contact and a minimum of 2 hours of independent study **Prerequisites:** CAEL2006 **Assessment:** Assessment is continuous and culminates with an end of semester assessment where projects are presented for critical review. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This unit is designed for students to undertake self-directed work . It is expected that students will develop proposal related projects specific to the sub discipline area of the elective they have chosen.

The Advanced Elective follows a self-directed curriculum addresses concepts, methodologies and technologies integral to contemporary Glass Flame-work.

## CAEL3004

### Glass Casting Elective Advanced Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Andrew Lavery **Session:** Semester 1, Semester 2 **Classes:** 2 hours contact and a minimum of 2 hours of independent study **Prerequisites:** CAEL2008 **Assessment:** Assessment is continuous and culminates with an end of semester assessment where projects are presented for critical review. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This unit is designed for students to undertake self-directed work . It is expected that students will develop proposal related projects specific to the sub discipline area of the elective they have chosen.

The Advanced unit in casting glass provides a studio-based approach to the production of creative work. It will give students a basic understanding of open-face glass casting through practical experience with clay modelling, simple mould-making (investing), firing and basic cold working.

Throughout the semester students will, in consultation with a tutor, follow a self-directed curriculum that addresses concepts, methodologies and technologies integral to contemporary casting in Glass.

## CAEL3005

### Hot Glass Elective Advanced



## Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Andrew Lavery **Session:** Semester 1, Semester 2 **Classes:** 2 hours contact and a minimum of 2 hours of independent study **Prerequisites:** CAEL2010 **Assessment:** Assessment is continuous and culminates with an end of semester assessment where projects are presented for critical review. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This unit is designed for students to undertake self-directed work. It is expected that students will develop proposal related projects specific to the sub discipline area of the elective they have chosen.

The Advanced Elective unit in Hot Glass provides a studio-based approach to the production of creative work. Throughout the semester students will in consultation with an academic staff member, follow a self-directed curriculum addressing concepts, methodologies and technologies integral to contemporary hot glass.

## CAEL3013

### Artist in Residence 2

#### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Jane Gavan **Session:** Semester 1, Semester 2 **Classes:** Depends on visiting artist **Prerequisites:** CAEL2028 **Assessment:** This unit has a pass/fail grading result. Method of assessment to be advised by Chair of individual subject areas. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This unit draws on the SCA artists-in-residence program to develop analyses, and a practical understanding, of how new work is developed. Visiting artists will propose and run programs that are primarily research-led learning experiences for students.

The program is offered according to visiting artists' availability and scheduled activities in semester one or two. The learning activities for this unit may be intensive over a short period, and timetables will be available through the chair of each subject area.

## CAEX2001

### Ceramics C Studio Extension

#### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Jan Guy **Session:** Semester 1 **Classes:** 3 hrs per week plus 3-6 hours outside of class including research and field work **Corequisites:** MSTD2511 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Ceramics Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Ceramics Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Ceramics studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

## CAEX2002

### Glass C Studio Extension

#### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Andrew Lavery **Session:** Semester 1 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work **Corequisites:** MSTD2521 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Glass Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Glass Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Glass studio

discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

## CAEX2003

### Jewellery and Object C Studio Extension

#### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Bridie Lander **Session:** Semester 1 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD2531 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Jewellery and Object Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Jewellery and Object Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Jewellery and Object studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

## CAEX2004

### Painting C Studio Extension

#### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Dr Debra Dawes **Session:** Semester 1 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work **Corequisites:** MSTD2541 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Painting Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Painting Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Painting studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

## CAEX2005

### Printmedia C Studio Extension

#### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Justin Trendall **Session:** Semester 1 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD2551 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Printmedia Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Printmedia Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Printmedia studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

## CAEX2006

### Sculpture C Studio Extension

#### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Dr Adam Geczy **Session:** Semester 1 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD2561 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Sculpture Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Sculpture Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Sculpture studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

### CAEX2007 Photomedia C Studio Extension Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Steven Lojewski **Session:** Semester 1 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work **Corequisites:** MSTD2571 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Photomedia Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Photomedia Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Photomedia studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

### CAEX2008 Film and Digital Art C Studio Extension Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Josephine Starrs **Session:** Semester 1 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work **Corequisites:** MSTD2581 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Film & Digital Art Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Film & Digital Art Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Film & Digital Art studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

### CAEX2009 Ceramics D Studio Extension Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Jan Guy **Session:** Semester 2 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. Co-requisites: one of **Corequisites:** MSTD2512 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Ceramics Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Ceramics Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Ceramics studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

### CAEX2010 Glass D Studio Extension Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Andrew Lavery **Session:** Semester 2 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD2522 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Glass Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Glass Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Glass studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

### CAEX2011 Jewellery and Object D Studio Extension Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Bridie Lander **Session:** Semester 2 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work **Corequisites:** MSTD2532 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Jewellery and Object Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Jewellery and Object Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Jewellery and Object studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

### CAEX2012 Painting D Studio Extension Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Dr Debra Dawes **Session:** Semester 2 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work **Corequisites:** MSTD2542 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Painting Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Painting Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Painting studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

### CAEX2013 Printmedia D Studio Extension Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Justin Trendall **Session:** Semester 2 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work **Corequisites:** MSTD2552 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Printmedia Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Printmedia Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Printmedia studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

### CAEX2014 Sculpture D Studio Extension Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Dr Adam Geczy **Session:** Semester 2 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work **Corequisites:** MSTD2562 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Sculpture Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Sculpture

Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Sculpture studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

#### CAEX2015

##### Photomedia D Studio Extension

##### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Steven Lojewski **Session:** Semester 2 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD2572 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Photomedia Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Photomedia Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Photomedia studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

#### CAEX2016

##### Film and Digital Art D Studio Extension

##### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Josephine Starrs **Session:** Semester 2 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD2582 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Film and Digital Art Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Film and Digital Art Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Film and Digital Art studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

#### CAEX3001

##### Ceramics E Studio Extension

##### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Jan Guy **Session:** Semester 1 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD3511 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Ceramics Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Ceramics Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Ceramics studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

#### CAEX3002

##### Glass E Studio Extension

##### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Andrew Lavery **Session:** Semester 1 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD3521 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension

of work required for the Glass Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Glass Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Glass studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

#### CAEX3003

##### Jewellery and Object E Studio Extension

##### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Bridie Lander **Session:** Semester 1 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD3531 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Jewellery and Object Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Jewellery and Object Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Jewellery and Object studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

#### CAEX3004

##### Painting E Studio Extension

##### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Dr Debra Dawes **Session:** Semester 1 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD3541 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Painting Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Painting Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Painting studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

#### CAEX3005

##### Printmedia E Studio Extension

##### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Justin Trendall **Session:** Semester 1 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD3551 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Printmedia Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Printmedia Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Printmedia studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

#### CAEX3006

##### Sculpture E Studio Extension

##### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Dr Adam Geczy **Session:** Semester 1 **Classes:** 3 hours per week and 3-6 hours outside of class, including research

and field-work. **Corequisites:** MSTD3561 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Sculpture Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Sculpture Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Sculpture studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

### CAEX3007

#### Photomedia E Studio Extension

##### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Steven Lojewski **Session:** Semester 1 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD3571 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Photomedia Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Photomedia Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Photomedia studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

### CAEX3008

#### Film and Digital Art E Studio Extension

##### Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD3581 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Film and Digital Art Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Film and Digital Art Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Film and Digital Art studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

### CAEX3009

#### Ceramics F Studio Extension

##### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Jan Guy **Session:** Semester 2 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD3512 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Ceramics Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Ceramics Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Ceramics studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

### CAEX3010

#### Glass F Studio Extension

### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Andrew Lavery **Session:** Semester 2 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD3521 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Glass Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Glass Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Glass studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

### CAEX3011

#### Jewellery and Object F Studio Extension

##### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Bridie Lander **Session:** Semester 2 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD3531 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Jewellery and Object Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Jewellery and Object Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Jewellery and Object studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

### CAEX3012

#### Painting F Studio Extension

##### Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 2 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD3541 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Painting Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Painting Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Painting studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

### CAEX3013

#### Printmedia F Studio Extension

##### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Justin Trendall **Session:** Semester 2 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD3551 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Printmedia Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Printmedia Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Printmedia studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

**CAEX3014****Sculpture F Studio Extension  
Sydney College of the Arts**

**Credit points:** 3 **Teacher/Coordinator:** Dr Adam Geczy **Session:** Semester 2 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD3561 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Sculpture Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Sculpture Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Sculpture studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

**CAEX3015****Photomedia F Studio Extension  
Sydney College of the Arts**

**Credit points:** 3 **Teacher/Coordinator:** Steven Lojewski **Session:** Semester 2 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD3572 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Photomedia Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Photomedia Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Photomedia studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

**CAEX3016****Film and Digital Art F Studio Extension  
Sydney College of the Arts**

**Credit points:** 3 **Teacher/Coordinator:** Josephine Starrs **Session:** Semester 2 **Classes:** 3 hours per week and 3-6 hours outside of class, including research and field-work. **Corequisites:** MSTD3582 **Assessment:** Assessable work produced for this unit of study will be an additional body of work or an extension of work required for the Film and Digital Art Studio Major unit. It will be presented for assessment at the end of the semester, at the same time as work for the Film and Digital Art Studio Major. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A.

This Studio Extension unit is an additional academic component directly linked to the Studio Major unit offered in the Film and Digital Art studio discipline. The work will be in the form of either a body of work additional to that required for the Studio Major unit or an extension of the work required for the Studio Major unit.

**CAPP2001****Professional Placement for Artists 1  
Sydney College of the Arts**

**Credit points:** 3 **Teacher/Coordinator:** Jane Gavan **Session:** Semester 1, Semester 2 **Assessment:** This elective has a pass/fail grading result and will be based on attendance and completion of placement. **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment. Note: Special permission to enrol is required. See Academic Advisor*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This unit aims to give students an experience of a successful practice in contemporary art, craft or design. Through professional placement with practising artists and designers, students will develop skills that enable them to work towards their own sustainable practice and to make valuable community contacts in their chosen discipline. Students interested in enrolling in the unit should consult their academic advisor

to ascertain if the programme is running in their subject area in any particular semester, and also to make arrangements for the placement.

**CAPP3001****Professional Placement for Artists 2  
Sydney College of the Arts**

**Credit points:** 3 **Teacher/Coordinator:** Jane Gavan **Session:** Semester 1, Semester 2 **Assessment:** This elective has a pass/fail grading result and will be based on attendance and completion of placement. **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment. Note: Special permission to enrol is required. See Academic Advisor*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This unit aims to give students an experience of a successful practice in contemporary art, craft or design. Through professional placement with practising artists and designers, students will develop skills that enable them to work towards their own sustainable practice and to make valuable community contacts in their chosen discipline. Students interested in enrolling in the unit should consult their academic advisor to ascertain if the programme is running in their subject area in any particular semester, and also to make arrangements for the placement.

**CHEM1001****Fundamentals of Chemistry 1A  
Science**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Prohibitions:** CHEM1101, CHEM1901, CHEM1109, CHEM1903 **Assumed knowledge:** There is no assumed knowledge of chemistry for this unit of study, but students who have not undertaken an HSC chemistry course are strongly advised to complete a chemistry bridging course before lectures commence. **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%) **Practical field work:** A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B An Vet Bio Sc, B App Sc (Ex & Sp Sc), B Sc (Nutr), B Com, M B, B S, B E, B Ed, B Sc (Psych), B Hort Sc, B L W Sc, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biol).

The aim of the unit of study is to provide those students whose chemical background is weak (or non-existent) with a good grounding in fundamental chemical principles together with an overview of the relevance of chemistry. There is no prerequisite or assumed knowledge for entry to this unit of study. Lectures: A series of 39 lectures, three per week throughout the semester.

**Textbooks**

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

**CHEM1002****Fundamentals of Chemistry 1B  
Science**

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Prerequisites:** CHEM (1001 or 1101) or equivalent **Prohibitions:** CHEM1102, CHEM1108, CHEM1902, CHEM1904 **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%) **Practical field work:** A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B An Vet Bio Sc, B App Sc (Ex & Sp Sc), B Sc (Nutr), B Com, M B, B S, B E, B Ed, B Sc (Psych), B Hort Sc, B L W Sc, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (M).

CHEM1002 builds on CHEM1001 to provide a sound coverage of inorganic and organic chemistry. Lectures: A series of 39 lectures, three per week throughout the semester.

**Textbooks**

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

**CHEM1101****Chemistry 1A**

## Science

**Credit points:** 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics **Prohibitions:** CHEM1001, CHEM1109, CHEM1901, CHEM1903 **Assumed knowledge:** HSC Chemistry and Mathematics **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%) **Practical field work:** A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B An Vet Bio Sc, B App Sc (Ex & Sp Sc), B Sc (Nutr), B Com, M B, B S, B E, B Ed, B Sc (Psych), B L W Sc, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Geneti).

Chemistry 1A is built on a satisfactory prior knowledge of the HSC Chemistry course. A brief revision of basic concepts of the high school course is given. Chemistry 1A covers chemical theory and physical chemistry. Lectures: A series of 39 lectures, three per week throughout the semester.

### Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

## CHEM1102 Chemistry 1B Science

**Credit points:** 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** One 3 hour lecture and 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Prerequisites:** CHEM (1101 or 1901) or a Distinction in CHEM1001 or equivalent **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics **Prohibitions:** CHEM1002, CHEM1108, CHEM1902, CHEM1904 **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%) **Practical field work:** A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B An Vet Bio Sc, B App Sc (Ex & Sp Sc), B Sc (Nutr), B Com, M B, B S, B E, B Ed, B Sc (Psych), B L W Sc, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), U.

Chemistry 1B is built on a satisfactory prior knowledge of Chemistry 1A and covers inorganic and organic chemistry. Successful completion of Chemistry 1B is an acceptable prerequisite for entry into Intermediate Chemistry units of study. Lectures: A series of 39 lectures, three per week throughout the semester.

### Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

## CHEM1108 Chemistry 1A Life Sciences Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics **Prohibitions:** CHEM1002, CHEM1102, CHEM1902, CHEM1904 **Assumed knowledge:** HSC Chemistry and Mathematics **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%). **Practical field work:** A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study is available to students enrolled in the Bachelor of Medical Science, the Bachelor of Science (Molecular Biology and Genetics), the Bachelor of Science (Nutrition) and the Bachelor of Science (Molecular Biotechnology) only.*

**Associated degrees:** B Med Sc, B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

Lectures (39 hrs): A strong background in junior chemistry is essential for understanding molecular structures and processes. This unit of study provides the basis for understanding fundamental chemical processes and structures at an advanced level, with particular emphasis on how these apply to the life sciences. Topics to be covered include: atomic structure, chemical bonding and organic chemistry of functional groups with applications in life sciences.

Tutorials (12 hrs): These will provide aspects of problem solving relevant to the theory.

### Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

## CHEM1109 Chemistry 1B Life Sciences Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Prerequisites:** CHEM1108 **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics **Prohibitions:** CHEM1001, CHEM1101, CHEM1901, CHEM1903 **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%) **Practical field work:** A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study is available to students enrolled in the Bachelor of Medical Science, the Bachelor of Science (Molecular Biology and Genetics), the Bachelor of Science (Nutrition) and the Bachelor of Science (Molecular Biotechnology) only.*

**Associated degrees:** B Med Sc, B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

Lectures (39 hrs): A strong background in junior chemistry is essential for understanding molecular structures and processes. This unit of study provides the basis for understanding fundamental chemical processes and structures at an advanced level, with particular emphasis on how these apply to the life sciences. Topics to be covered include: chemical equilibria, solutions, acids and bases, ions in solution, redox reactions, colloids and surface chemistry, the biological periodic table, chemical kinetics and radiochemistry with applications to life sciences.

Tutorials (12 hrs): These will provide aspects of problem solving relevant to the unit of study.

### Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

## CHEM1405 Chemistry Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Lectures: 52 hours Practicals: 27 hours (nine 3 hour classes) **Assumed knowledge:** HSC Chemistry **Assessment:** Intrasemester: 4 x Quizzes (15%), Lab work (10%) End of semester: 3 hr Exam (75%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B V Sc.

This is a one semester unit of study designed to provide (i) a suitable foundation for subsequent units of study such as biochemistry, animal nutrition, physiology and pharmacology, and (ii) a chemical background that will aid in the understanding, diagnosis and treatment of disease. It covers chemical theory, inorganic, physical, and organic chemistry with many examples from biological areas. It pre-supposes a satisfactory prior knowledge of HSC Chemistry. A total of 52 hours of lectures comprising 28 lectures in inorganic and physical chemistry and 24 lectures in organic chemistry.

### Textbooks

Detailed information about prescribed texts is available from the School of Chemistry.

## CHEM1551 Chemistry Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Marine Science).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### CHEM1552 Chemistry Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### CHEM1611 Chemistry A (Pharmacy) Science

**Credit points:** 6 **Teacher/Coordinator:** See School of Chemistry for list of staff **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Assumed knowledge:** HSC Chemistry and Mathematics **Assessment:** A theory examination is held at the end of the semester. Students are advised at the beginning of the semester about other factors contributing to assessment in the unit of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Students must have special permission from the Faculty of Pharmacy to enrol in this Unit of Study.*

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

Chemistry provides the basis for understanding molecular structures and processes, essential knowledge for many later year Pharmacy units of study. Lecture topics include some fundamental concepts, atomic theory, states and properties of matter, equations and stoichiometry, introduction to organic chemistry, nomenclature, aliphatic chemistry, aromatic chemistry, heterocyclic compounds, isomerism, stereoisomerism, reaction mechanisms, biomolecules, amino acids and peptides, carbohydrates, general acid-base theory, atomic structure, chemical bonding. Practical work is designed to enhance confidence and develop skills in the handling and manipulation of chemicals and in the observation and processing of experimental results.

Special preparative studies: Students wishing to enrol in CHEM1611 who do not have the assumed chemical knowledge are advised to consult the School of Chemistry for information about a bridging course.

#### Textbooks

Students should obtain a booklist from the School of Chemistry during the orientation period.

### CHEM1612 Chemistry B (Pharmacy) Science

**Credit points:** 6 **Teacher/Coordinator:** See School of Chemistry for list of staff **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks. **Corequisites:** CHEM1611 Chemistry A (Pharmacy) **Assessment:** A theory examination is held at the end of the semester. Students are advised at the beginning of the semester about other factors contributing to assessment in the unit of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Students must have special permission from the Faculty of Pharmacy to enrol in this Unit of Study.*

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

Chemistry provides the basis for understanding molecular structures and processes, essential knowledge for many later year Pharmacy units of study. Lecture topics include redox reactions, electrochemistry, introduction to colloids and surface chemistry, the biological periodic table, radiochemistry, chemical energetics, equilibrium theory, solution theory. Practical work is designed to enhance confidence and develop

skills in the handling and manipulation of chemicals and in the observation and processing of experimental results.

#### Textbooks

Students should obtain a booklist from the School of Chemistry during the orientation period.

### CHEM1901 Chemistry 1A (Advanced) Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lecture and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks.

**Prerequisites:** UAL of at least 96.4 and HSC Chemistry result in band 5 or 6, or Distinction or better in a University level Chemistry unit, or by invitation

**Corequisites:** Recommended concurrent unit of study: 6 credit points of Junior Mathematics **Prohibitions:** CHEM1001, CHEM1101, CHEM1109, CHEM1903

**Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%) **Practical field work:** A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B Com, M B, B S, B E, B Ed, B Sc (Psych), B Hort Sc, B L W Sc, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), B Sc Agr, UG Study.

Chemistry 1A (Advanced) is available to students with a very good HSC performance as well as a very good school record in chemistry or science. Students in this category are expected to do Chemistry 1A (Advanced) rather than Chemistry 1A.

The theory and practical work syllabuses for Chemistry 1A and Chemistry 1A (Advanced) are similar, though the level of treatment in the latter unit of study is more advanced, presupposing a very good grounding in the subject at secondary level. Chemistry 1A (Advanced) covers chemical theory and physical chemistry. Lectures: A series of about 39 lectures, three per week throughout the semester.

#### Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

### CHEM1902 Chemistry 1B (Advanced) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; one 3 hour practical per week for 10 weeks.

**Prerequisites:** CHEM (1901 or 1903) or Distinction in CHEM1101 or equivalent

**Corequisites:** Recommended concurrent unit of study: 6 credit points of Junior Mathematics **Prohibitions:** CHEM1002, CHEM1102, CHEM1108, CHEM1904

**Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%) **Practical field work:** A series of 10 three-hour laboratory sessions, one per week for 10 weeks of the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B Com, M B, B S, B E, B Ed, B Sc (Psych), B Hort Sc, B L W Sc, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program.

Chemistry 1B (Advanced) is built on a satisfactory prior knowledge of Chemistry 1A (Advanced) and covers inorganic and organic chemistry. Successful completion of Chemistry 1B (Advanced) is an acceptable prerequisite for entry into Intermediate Chemistry units of study. Lectures: A series of about 39 lectures, three per week throughout the semester.

#### Textbooks

A booklist is contained in the booklet Junior Chemistry distributed at enrolment. Further information can be obtained from the School.

### CHEM1903 Chemistry 1A (Special Studies Program) Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lecture, one 1 hour tutorial per week and one 3 hour practical per week. **Prerequisites:** UAL of at least 98.7 and HSC Chemistry result in Band 6

**Corequisites:** Recommended concurrent unit of study: 6 credit points of Junior Mathematics

**Prohibitions:** CHEM1001, CHEM1101, CHEM1109, CHEM1901 **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Entry is by invitation. This unit of study is deemed to be an Advanced unit of study.*

**Associated degrees:** B Com, M B, B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

Entry to Chemistry 1A (Special Studies Program) is restricted to students with an excellent school record in Chemistry. The practical work syllabus for Chemistry 1A (Special Studies Program) is very different from that for Chemistry 1A and Chemistry 1A (Advanced) and consists of special project-based laboratory exercises. All other unit of study details are the same as those for Chemistry 1A (Advanced). A Distinction in Chemistry 1A (Special Studies Program) is an acceptable prerequisite for entry into Chemistry 1B (Special Studies Program).

## CHEM1904

### Chemistry 1B (Special Studies Program) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lecture, one 1 hour tutorial per week and one 3 hour practical per week. **Prerequisites:** Distinction in CHEM1903 **Corequisites:** Recommended concurrent units of study: 6 credit points of Junior Mathematics. **Prohibitions:** CHEM1002, CHEM1102, CHEM1108, CHEM1902 **Assessment:** Theory examination (75%), laboratory exercises and continuous assessment quizzes (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Entry is by invitation. This unit of study is deemed to be an Advanced unit of study.*

**Associated degrees:** B Com, M B, B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

Entry to Chemistry 1B (Special Studies Program) is restricted to students who have gained a Distinction in Chemistry 1A (Special Studies Program). The practical work syllabus for Chemistry 1B (Special Studies Program) is very different from that for Chemistry 1B and Chemistry 1B (Advanced) and consists of special project-based laboratory exercises. All other unit of study details are the same as those for Chemistry 1B (Advanced). Successful completion of Chemistry 1B (Special Studies Program) is an acceptable prerequisite for entry into Intermediate Chemistry units of study.

## CHEM2401

### Molecular Reactivity and Spectroscopy Science

**Credit points:** 6 **Teacher/Coordinator:** Dr P J Rutledge **Session:** Semester 1 **Classes:** Three 1 hour lectures per week, seven 1 hour tutorials per semester, eight 4 hour practicals per semester. **Prerequisites:** CHEM (1101 or 1901 or 1903 or 1907 or 1908 or 1108) and CHEM (1102 or 1902 or 1904 or 1909 or 1109), 6 credit points of Junior Mathematics **Prohibitions:** CHEM2001, CHEM2101, CHEM2301, CHEM2311, CHEM2502, CHEM2901, CHEM2903, CHEM2911, CHEM2915 **Assessment:** One 3 hour examination, quizzes, lab reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This is a required chemistry unit of study for students intending to major in chemistry.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This is one of the two core units of study for students considering majoring in chemistry, and for students of other disciplines who wish to acquire a good general background in chemistry. The unit considers fundamental questions of molecular structure, chemical reactivity, and molecular spectroscopy: What are chemical reactions and what makes them happen? How can we follow and understand them? How can we exploit them to make useful molecules? This course includes the organic and medicinal chemistry of aromatic compounds, organic reaction mechanisms, vibrational and electronic spectroscopy and their applications, quantum chemistry, and molecular orbital theory.

## CHEM2402

### Chemical Structure and Stability Science

**Credit points:** 6 **Teacher/Coordinator:** Dr P J Rutledge **Session:** Semester 2 **Classes:** Three 1 hour lectures per week, seven 1 hour tutorials per semester, eight 4 hour practicals per semester. **Prerequisites:** CHEM (1101 or 1901 or

1903 or 1907 or 1908 or 1108) and CHEM (1102 or 1902 or 1904 or 1909 or 1109), 6 credit points of Junior of Mathematics **Prohibitions:** CHEM2202, CHEM2302, CHEM2902, CHEM2912, CHEM2916 **Assessment:** One 3 hour examination, quizzes, lab reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This is a required chemistry unit of study for students intending to major in chemistry.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This is the second core unit of study for students considering majoring in chemistry, and for students seeking a good general background in chemistry. The unit continues the consideration of molecular structure and chemical reactivity. Topics include the structure and bonding of inorganic compounds, the properties of metal complexes, statistical thermodynamics, the organic chemistry of carbonyl compounds and organometallic reagents, and the art of synthesis.

## CHEM2403

### Chemistry of Biological Molecules Science

**Credit points:** 6 **Teacher/Coordinator:** Dr P J Rutledge **Session:** Semester 2 **Classes:** Three 1 hour lectures per week, six 1 hour tutorials per semester, five 4 hour practical sessions per semester. **Prerequisites:** 12 credit points of Junior Chemistry; 6 credit points of Junior Mathematics **Prohibitions:** CHEM2001, CHEM2901, CHEM2311, CHEM2903, CHEM2913 **Assessment:** One 3 hour examination, quizzes, lab reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: To enrol in Senior Chemistry in 2010 students are required to have completed CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). Students are advised that combinations of CHEM2 units that do not meet this requirement will generally not allow progression to Senior Chemistry.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B I T, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun, UG Study Abroad Program.

Life is chemistry. This unit of study examines the key chemical processes that underlie all living systems. Lectures cover the chemistry of carbohydrates, lipids and DNA, the mechanisms of organic and biochemical reactions that occur in biological systems, chemical analysis of biological systems, the inorganic chemistry of metalloproteins, biomineralisation, biopolymers and biocolloids, and the application of spectroscopic techniques to biological systems. The practical course will include the chemical characterisation of biopolymers, experimental investigations of iron binding proteins, organic and inorganic chemical analysis, and the characterisation of anti-inflammatory drugs.

## CHEM2404

### Forensic and Environmental Chemistry Science

**Credit points:** 6 **Teacher/Coordinator:** Dr P J Rutledge **Session:** Semester 1 **Classes:** Three 1 hour lectures per week, six 1 hour tutorials and five 4 hour practical sessions per semester. **Prerequisites:** 12 credit points of Junior Chemistry; 6 credit points of Junior Mathematics **Prohibitions:** CHEM3107, CHEM3197 **Assessment:** One 3 hour examination, quizzes, lab reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: To enrol in Senior Chemistry in 2010 students are required to have completed CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). Students are advised that combinations of CHEM2 units that do not meet this requirement will generally not allow progression to Senior Chemistry.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Environmental), UG Study Abroad Program.

The identification of chemical species and quantitative determination of how much of each species is present are the essential first steps in solving all chemical puzzles. In this course students learn analytical techniques and chemical problem solving in the context of forensic and environmental chemistry. The lectures on environmental chemistry will cover two main topics: atmospheric chemistry (covering air pollution, global warming and ozone depletion), and water and soil chemistry (including bio-geochemical cycling, chemical speciation, catalysis and green chemistry). The forensic component of the course examines the gathering and analysis of evidence, using a variety of



chemical techniques, and the development of specialised forensic techniques in the analysis of trace evidence. Students will also study forensic analyses of inorganic, organic and biological materials (dust, soil, inks, paints, documents, etc.) in police, customs and insurance investigations and learn how a wide range of techniques are used to examine forensic evidence.

### CHEM2553 Chemistry Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Marine Science).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### CHEM2554 Chemistry Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### CHEM2555 Chemistry Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### CHEM2556 Chemistry Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### CHEM2911 Molecular Reactivity & Spectroscopy Adv Science

**Credit points:** 6 **Teacher/Coordinator:** Dr P J Rutledge **Session:** Semester 1 **Classes:** Three 1 hour lectures per week, seven 1 hour tutorials per semester and eight 4 hour practicals per semester. **Prerequisites:** Credit average or better in CHEM (1101 or 1901 or 1903 or 1907 or 1908 or 1108) and CHEM (1102 or 1902 or 1904 or 1909 or 1109). 6 credit points of Junior Mathematics.

**Prohibitions:** CHEM2001, CHEM2101, CHEM2301, CHEM2311, CHEM2401, CHEM2502, CHEM2901, CHEM2903, CHEM2915 **Assessment:** One 3 hour examination, quizzes, lab reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

The syllabus for this unit is the same as that of CHEM2401 together with special Advanced material presented in the theory and practical programs. The lectures cover fundamental consideration of molecular electronic structure and its role in molecular reactivity and spectroscopy and include applications of spectroscopy, the organic chemistry of aromatic systems, molecular orbital theory and quantum chemistry.

### CHEM2912 Chemical Structure and Stability (Adv) Science

**Credit points:** 6 **Teacher/Coordinator:** Dr P J Rutledge **Session:** Semester 2 **Classes:** Three 1 hour lectures per week, seven 1 hour tutorials per semester, eight 4 hour practicals per semester. **Prerequisites:** Credit average or better in CHEM (1101 or 1901 or 1903 or 1907 or 1908 or 1108) and CHEM (1102 or 1902 or 1904 or 1909 or 1109). 6 credit points of Junior Mathematics. **Prohibitions:** CHEM2202, CHEM2302, CHEM2402, CHEM2902, CHEM2916 **Assessment:** One 3 hour examination, quizzes, lab reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

The syllabus for this unit is the same as that of CHEM2402 together with special Advanced material presented in the theory and practical programs. The lectures include the properties of inorganic compounds and complexes, statistical thermodynamics, the chemistry of carbonyls, nucleophilic organometallic reagents, and synthetic methods.

### CHEM2915 Molecular Reactivity & Spectroscopy SSP Science

**Credit points:** 6 **Teacher/Coordinator:** Dr P J Rutledge **Session:** Semester 1 **Classes:** Three 1 hour lectures per week, twelve 1 hour SSP seminars per semester, eight 4 hour practicals per semester. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (1101 or 1901 or 1903 or 1907 or 1908 or 1108) and CHEM (1102 or 1902 or 1904 or 1909 or 1109). 6 credit points of Junior Mathematics. **Prohibitions:** CHEM2001, CHEM2101, CHEM2301, CHEM2311, CHEM2401, CHEM2502, CHEM2901, CHEM2903, CHEM2911 **Assessment:** One 3 hour examination, quizzes, assignments, lab reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

The lectures for this unit comprise the lectures for CHEM2401 and the Advanced practical program together with additional SSP seminars. Two streams of SSP seminars are offered: Series One comprises three seminar series on state of the art topics in chemistry (in 2018, these covered Advanced Kinetics, Quantum Theory and Palladium in organic synthesis), Series Two is devoted to Advanced Theoretical Chemistry.

### CHEM2916 Chemical Structure and Stability (SSP) Science

**Credit points:** 6 **Teacher/Coordinator:** Dr P J Rutledge **Session:** Semester 2 **Classes:** Three 1 hour lectures per week, twelve 1 hour SSP seminars per semester, eight 4 hour practicals per semester. **Prerequisites:** By invitation. High WAM and a Distinction average in CHEM (1101 or 1901 or 1903 or 1907 or 1908 or 1108) and CHEM (1102 or 1902 or 1904 or 1909 or 1109). 6 credit points of Junior Mathematics. **Prohibitions:** CHEM2202, CHEM2302, CHEM2402, CHEM2902, CHEM2912 **Assessment:** One 3 hour examination, quizzes, assignments, lab reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: The number of places in this unit of study is strictly limited and entry is by invitation only. Enrolment is conditional upon available places.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

The lectures for this unit comprise the lectures for CHEM2402 and the Advanced practical program together with additional SSP seminars comprising three seminar series on state of the art topics in chemistry (in 2008, these covered carbon-rich chemistry, advanced theoretical chemistry and the chemistry of antibiotics).

### CHEM3110

#### Biomolecules: Properties and Reactions Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1 hour lecture and one 4 hour practical per week. **Prerequisites:** CHEM(2401 or 2911 or 2915) and CHEM(2402 or 2912 or 2916) **Prohibitions:** CHEM3910 **Assessment:** One 2 hour exam, prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

DNA, proteins and carbohydrates represent three classes of essential biomolecules present in all biological systems. This unit will cover the structure, reactivity and properties of biomolecules and the building blocks from which these molecules are assembled, their interactions with metal ions and small molecules, and highlight the chemical tools used to study the behaviour of biomolecules. The final section of the unit will illustrate how chemists apply the same principles used by nature in these systems to produce molecular sensors and switches for applications in medicine and industry.

### CHEM3111

#### Organic Structure and Reactivity Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** CHEM(2401 or 2911 or 2915) and CHEM(2402 or 2912 or 2916) **Prohibitions:** CHEM3911 **Assessment:** One 2 hour exam, prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

The structure and shape of organic molecules determines their physical properties, their reaction chemistry as well as their biological/medicinal activity. The determination of this structure and understanding its chemical consequences is of fundamental importance in chemistry, biochemistry, medicinal and materials chemistry. This course examines the methods and techniques used to establish the structure of organic molecules as well as the chemistry which dictates the shapes that they adopt. The first part of the course examines the use of modern spectroscopic methods (nuclear magnetic resonance spectroscopy, infrared spectroscopy and mass spectroscopy) which are used routinely to identify organic compounds. The second part of the course examines the chemical consequences of molecular shapes in more depth and looks at how different molecular shapes arise as a consequence of the mechanism of chemical reactions used to synthesise them.

### CHEM3112

#### Materials Chemistry Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 4 hour practical per week. **Prerequisites:** CHEM(2401 or 2911 or 2915) and CHEM(2402 or 2912 or 2916) **Prohibitions:** CHEM3912 **Assessment:** One 2 hour exam, prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

This course concerns the inorganic chemistry of solid-state materials: compounds that possess 'infinite' bonding networks. The extended structure of solid materials gives rise to a wide range of important chemical, mechanical, electrical, magnetic and optical properties.

Consequently such materials are of enormous technological significance as well as fundamental curiosity. In this course you will learn how chemistry can be used to design and synthesise novel materials with desirable properties. The course will start with familiar molecules such as C<sub>60</sub> and examine their solid states to understand how the nature of chemical bonding changes in the solid state, leading to new properties such as electronic conduction. This will be the basis for a broader examination of how chemistry is related to structure, and how structure is related to properties such as catalytic activity, mechanical strength, magnetism, and superconductivity. The symmetry of solids will be used explain how their structures are classified, how they can transform between related structures when external conditions such as temperature, pressure and electric field are changed, and how this can be exploited in technological applications such as sensors and switches. Key techniques used to characterise solid-state materials will be covered, particularly X-ray diffraction, microscopy, and physical property measurements.

### CHEM3113

#### Catalysis and Sustainable Processes Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** One 2 hour lecture and one 4 hour practical per week. **Prerequisites:** CHEM(2401 or 2911 or 2915) and CHEM(2402 or 2912 or 2916) **Prohibitions:** CHEM3913 **Assessment:** One 2 hour exam, prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Almost 90% of manufactured chemicals (from fuels through polymers to drugs) involve at least one catalytic step in their production. Catalysis by enzymes is fundamental to all chemical pathways in living things. This course provides the foundation for a molecular-scale understanding of even the most complex catalysts. It begins by showing how organometallic fundamentals can be used to understand and design transition-metal catalysts. Making use of these concepts, the chemistry involved in surface catalysts will be examined. The course will address two main applications of catalysis. Synthetic polymers (plastics, woven materials, films, coatings, etc.) are the most ubiquitous and diverse of modern materials. These are synthesized by a range of catalytic processes, whose chemistry will be described. It will be shown how the mechanisms of these reactions in turn control the molecular weights of the resulting polymers, as well as other aspects of molecular architecture such as degree of branching. The other major application is the use of porous solids (zeotypes) as acid/base and redox catalysts. Confinement-induced selectivity changes are discussed and related to similar phenomena in enzymatic catalysis. In both applications students will also examine the overall process and look at the reasons behind choice of product, catalyst and reaction design with a specific focus on economy and environmental sustainability.

### CHEM3114

#### Metal Complexes: Medicine and Materials Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** CHEM(2401 or 2911 or 2915) and CHEM(2402 or 2912 or 2916) **Prohibitions:** CHEM3914 **Assessment:** One 2 hour exam, prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Coordination compounds, with bonds between a central metal atom and surrounding ligands, play critical roles in biology, biochemistry and medicine, controlling the structure and function of many enzymes and their metabolism. They play similarly vital roles in many industrial processes and in the development of new materials with specifically designed properties. Building on the foundation of crystal field theory, this course offers a comprehensive treatment of the structures and properties of coordination compounds, with a qualitative molecular orbital description of metal-ligand bonds, and their spectroscopic,

magnetic and dynamic effects. The exploitation of these properties in medicine and materials will be emphasized.

### CHEM3115

#### Synthetic Medicinal Chemistry Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** CHEM(2401 or 2911 or 2915) and CHEM(2402 or 2912 or 2916) **Prohibitions:** CHEM3915 **Assessment:** One 2 hour exam, prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

The development of new pharmaceuticals fundamentally relies on the ability to design and synthesize new compounds. Synthesis is an enabling discipline for medicinal chemistry - without it, the development of new drugs cannot progress from design to implementation, and ultimately to a cure. This unit will tackle important factors in drug design, and will highlight the current arsenal of methods used in the discovery of new drugs, including rational drug design, high throughput screening and combinatorial chemistry. We will develop a logical approach to planning a synthesis of a particular target structure. The synthesis and chemistry of heterocycles, which comprise some 40% of all known organic compounds and are particularly common in pharmaceuticals, will be outlined. Examples will include important ring systems present in biological systems, such as pyrimidines and purines (DNA and RNA), imidazole and thiazole (amino acids and vitamins) and porphyrins (natural colouring substances and oxygen carrying component of blood). Throughout the course, the utility of synthesis in medicinal chemistry will be illustrated with case studies such as anti-influenza (Relenza), anaesthetic (benzocaine), anti-inflammatory (Vioxx), antihypertensive (pinacidil) and cholesterol-lowering (Lovastatin) drugs.

### CHEM3116

#### Membranes, Self Assembly and Surfaces Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lecture and one 4 hour practical per week. **Prerequisites:** CHEM(2401 or 2911 or 2915) and CHEM(2402 or 2912 or 2916) **Prohibitions:** CHEM3916 **Assessment:** One 2 hour exam, prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Away from the covalent and ionic interactions that hold molecules and solids together is the world of fragile objects - folded polymers, membranes, surface adsorption and stable molecular aggregates - held together by weak forces such as van der Waals and the hydrophobic effect. The use of molecules rather than atoms as building blocks means that there are an enormous number of possibilities for stable aggregates with interesting chemical, physical and biological properties, many of which still wait to be explored. In this course we will examine the molecular interactions that drive self assembly and the consequences of these interactions in supramolecular assembly, lipid membrane formations and properties, microemulsions, polymer conformation and dynamics and range of fundamental surface properties including adhesion, wetting and colloidal stability.

### CHEM3117

#### Molecular Spectroscopy & Quantum Theory Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lecture and one 4 hour practical per week. **Prerequisites:** CHEM(2401 or 2911 or 2915) and CHEM(2402 or 2912 or 2916) **Prohibitions:** CHEM3917 **Assessment:** One 2 hour exam, prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

This course will cover the fundamentals of molecular spectroscopy as a modern research tool and as a theoretical basis with which to understand everyday phenomena. This course is aimed at students who wish to acquire a rigorous understanding of the interaction between light and matter. The course teaches the quantum theory needed to understand spectroscopic phenomena (such as the absorption of light) without the need for difficult mathematics. This low level theory is used as a tool with which to understand models of everyday phenomena. The course teaches application and theory, with descriptions of applied spectroscopic techniques. Alongside the coverage of modern spectroscopy, the course provides an accessible treatment of the science behind vision, flames, solar cells and photochemical smog.

### CHEM3551

#### Chemistry Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Marine Science).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### CHEM3552

#### Chemistry Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Marine Science).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### CHEM3553

#### Chemistry Exchange Science

**Credit points:** 12 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Marine Science).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### CHEM3554

#### Chemistry Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### CHEM3555

#### Chemistry Exchange

**Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

**CHEM3556****Chemistry Exchange Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

**CHEM3910****Biomolecules: Properties & Reactions Adv Science**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). **Prohibitions:** CHEM3110 **Assessment:** One 2 hour exam, prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

DNA, proteins and carbohydrates represent three classes of essential biomolecules present in all biological systems. This unit will cover the structure, reactivity and properties of biomolecules and the building blocks from which these molecules are assembled, their interactions with metal ions and small molecules, and highlight the chemical tools used to study the behaviour of biomolecules. The final section of the unit will illustrate how chemists apply the same principles used by nature in these systems to produce molecular sensors and switches for applications in medicine and industry. CHEM3910 students attend the same lectures as CHEM3110 students but attend an additional advanced seminar series comprising one lecture a week for 12 weeks.

**CHEM3911****Organic Structure and Reactivity (Adv) Science**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour practicals per week. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). **Prohibitions:** CHEM3111 **Assessment:** One 2 hour exam, prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

The structure and shape of organic molecules determines their physical properties, their reaction chemistry as well as their biological/medicinal activity. The determination of this structure and understanding its chemical consequences is of fundamental importance in chemistry, biochemistry, medicinal and materials chemistry. This course examines the methods and techniques used to establish the structure of organic molecules as well as the chemistry which dictates the shapes that they adopt. The first part of the course examines the use of modern spectroscopic methods (nuclear magnetic resonance spectroscopy, infrared spectroscopy and mass spectroscopy) which are used routinely to identify organic compounds. The second part of the course

examines the chemical consequences of molecular shapes in more depth and looks at how different molecular shapes arise as a consequence of the mechanism of chemical reactions used to synthesize them. CHEM3911 students attend the same lectures as CHEM3111 students, but attend an additional advanced seminar series comprising one lecture a week for 12 weeks.

**CHEM3912****Materials Chemistry (Adv) Science**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour practicals per week. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). **Prohibitions:** CHEM3112 **Assessment:** One 2 hour exam, prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

This course concerns the inorganic chemistry of solid-state materials: compounds that possess 'infinite' bonding networks. The extended structure of solid materials gives rise to a wide range of important chemical, mechanical, electrical, magnetic and optical properties. Consequently, such materials are of enormous technological significance as well as fundamental curiosity. In this course you will learn how chemistry can be used to design and synthesize novel materials with desirable properties. The course will start with familiar molecules such as C60 and examine their solid states to understand how the nature of chemical bonding changes in the solid state, leading to new properties such as electronic conduction. This will be the basis for a broader examination of how chemistry is related to structure, and how structure is related to properties such as catalytic activity, mechanical strength, magnetism, and superconductivity. The symmetry of solids will be used to explain how their structures are classified, how they can transform between related structures when external conditions such as temperature, pressure and electric field are changed, and how this can be exploited in technological applications such as sensors and switches. Key techniques used to characterise solid-state materials will be covered, particularly X-ray diffraction, microscopy, and physical property measurements. CHEM3912 students attend the same lectures as CHEM3112 students, but attend an additional advanced seminar series comprising one lecture a week for 12 weeks.

**CHEM3913****Catalysis and Sustainable Process (Adv) Science**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1 hour lecture and one 4 hour practical per week. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). **Prohibitions:** CHEM3113 **Assessment:** One 2 hour exam, prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Almost 90% of manufactured chemicals (from fuels through polymers to drugs) involve at least one catalytic step in their production. Catalysis by enzymes is fundamental to all chemical pathways in living things. This course provides the foundation for a molecular-scale understanding of even the most complex catalysts. It begins by showing how organometallic fundamentals can be used to understand and design transition-metal catalysts. Making use of these concepts, the chemistry involved in surface catalysts will be examined. The course will address two main applications of catalysis. Synthetic polymers (plastics, woven materials, films, coatings, etc.) are the most ubiquitous and diverse of modern materials. They are synthesized by a range of catalytic processes, whose chemistry will be described. It will be shown how the mechanisms of these reactions in turn control the molecular weights of the resulting polymers, as well as other aspects of molecular architecture such as degree of branching. The other major application is the use of porous solids (zeotypes) as

acid/base and redox catalysts. Confinement-induced selectivity changes are discussed and related to similar phenomena in enzymatic catalysis. In both applications students will also examine the overall process and look at the reasons behind choice of product, catalyst and reaction design with a specific focus on economy and environmental sustainability. CHEM3913 students attend the same lectures as CHEM3113 students, but attend an additional advanced seminar series comprising one lecture a week for 12 weeks.

#### CHEM3914

##### Metal Complexes: Medic. & Mater. (Adv)

###### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). **Prohibitions:** CHEM3114 **Assessment:** One 2 hour exam, prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Coordination compounds, with bonds between a central metal atom and surrounding ligands, play critical roles in biology, biochemistry and medicine, controlling the structure and function of many enzymes and their metabolism. They play similarly vital roles in many industrial processes and in the development of new materials with specifically designed properties. Building on the foundation of crystal field theory, this course offers a comprehensive treatment of the structures and properties of coordination compounds, with a qualitative molecular orbital description of metal-ligand bonds, and their spectroscopic, magnetic and dynamic effects. The exploitation of these properties in medicine and materials will be emphasized. CHEM3914 students attend the same lectures as CHEM3114 students, but attend an additional advanced seminar series comprising one lecture a week for 12 weeks.

#### CHEM3915

##### Synthetic Medicinal Chemistry (Adv)

###### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). **Prohibitions:** CHEM3115 **Assessment:** One 2 hour exam, prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

The development of new pharmaceuticals fundamentally relies on the ability to design and synthesize new compounds. Synthesis is an enabling discipline for medicinal chemistry - without it, the development of new drugs cannot progress from design to implementation, and ultimately to a cure. This unit will tackle important factors in drug design, and will highlight the current arsenal of methods used in the discovery of new drugs, including rational drug design, high throughput screening and combinatorial chemistry. We will develop a logical approach to planning a synthesis of a particular target structure. The synthesis and chemistry of heterocycles, which comprise some 40% of all known organic compounds and are particularly common in pharmaceuticals, will be outlined. Examples will include important ring systems present in biological systems, such as pyrimidines and purines (DNA and RNA), imidazole and thiazole (amino acids and vitamins) and porphyrins (natural colouring substances and oxygen carrying component of blood). Throughout the course, the utility of synthesis in medicinal chemistry will be illustrated with case studies such as anti-influenza (Relenza), anaesthetic (benzocaine), anti-inflammatory (Vioxx), antihypertensive (pinacidil) and cholesterol-lowering (Lovastatin) drugs. CHEM3915 students attend the same lectures as CHEM3115 students, but attend an additional advanced seminar series comprising one lecture a week for 12 weeks.

#### CHEM3916

##### Membranes, Self Assembly & Surfaces(Adv)

###### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). **Prohibitions:** CHEM3116 **Assessment:** One 2 hour exam, prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Away from the covalent and ionic interactions that hold molecules and solids together is the world of fragile objects - folded polymers, membranes, surface adsorption and stable molecular aggregates - held together by weak forces such as van der Waals and the hydrophobic effect. The use of molecules rather than atoms as building blocks means that there are an enormous number of possibilities for stable aggregates with interesting chemical, physical and biological properties, many of which still wait to be explored. In this course we examine the molecular interactions that drive self assembly and the consequences of these interactions in supramolecular assembly, lipid membrane formations and properties, microemulsions, polymer conformation and dynamics and range of fundamental surface properties including adhesion, wetting and colloidal stability. CHEM3916 students attend the same lectures as CHEM3916 students, but attend an additional advanced seminar series comprising one lecture a week for 12 weeks.

#### CHEM3917

##### Mol. Spectroscopy & Quantum Theory (Adv)

###### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lecture and one 4 hour practical per week. **Prerequisites:** WAM of 65 or greater and a Credit or better in: CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). **Prohibitions:** CHEM3117 **Assessment:** One 2 hour exam, prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

This course will cover the fundamentals of molecular spectroscopy as a modern research tool and as a theoretical basis with which to understand everyday phenomena. This course is aimed at students who wish to acquire a rigorous understanding of the interaction between light and matter. The course teaches the quantum theory needed to understand spectroscopic phenomena (such as the absorption of light) without the need for difficult mathematics. This low level theory is used as a tool with which to understand models of everyday phenomena. The course teaches application and theory, with descriptions of applied spectroscopic techniques. Alongside the coverage of modern spectroscopy, the course provides an accessible treatment of the science behind vision, flames, solar cells and photochemical smog. CHEM3917 students attend the same lectures as CHEM3117 students, but attend an additional advanced seminar series comprising one lecture a week for 12 weeks.

#### CHEM4011

##### Chemistry Honours A

###### Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons).

Students enrolled in the Honours program study various advanced aspects of Chemistry. The program may include lectures, tutorials, seminars and practicals. Students will undertake a research project. Assessment will include the project and may include examinations and classwork.

#### CHEM4012

##### Chemistry Honours B

**Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** CHEM4011  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons).  
 See CHEM4011

**CHEM4013****Chemistry Honours C  
Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** CHEM4012  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons).  
 See CHEM4011

**CHEM4014****Chemistry Honours D  
Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** CHEM4013  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons).  
 See CHEM4011

**CHNG1006****Professional Communication for Engineers  
Engineering and Information Technologies**

**Credit points:** 2 **Teacher/Coordinator:** Dr Marjorie Valix **Session:** Semester 2  
**Classes:** 2 hours of lectures/tutorials per week for 1 semester. **Corequisites:** CHNG1103  
**Assessment:** Tutorials and assignments (pass/fail course): participation (attendance and contribution) 10%; individual written exercises 4 x 10%; individual written assignment 50% **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Students who fail a diagnostic skills test will be asked to enrol in this unit of study.*

**Associated degrees:** B E, UG Study Abroad Program.

**Aim:** To improve students' written communication for academic and professional purposes.

This course will specifically develop skills in the construction, cohesion, style and grammar of key written genres such as short answer responses and reports; to develop critical and analytical approaches to processing information; to support written assessment tasks within the discipline.

**Syllabus summary:** This course will address the need for engineers to have adequate literacy skills. The course will cover aspects of information retrieval and processing, construction and development of an answer, control of academic writing, grammatical correctness and quality of presentation. There will be a focus on improving the structure, academic style and grammatical correctness of students' writing.

**Outcome:** At the end of this unit of study students should be able to demonstrate improved skills in: writing appropriately for audience, purpose and situation; understanding basic sentence and paragraph structure; critically evaluating information; logical reasoning in writing.

**CHNG1103****Material & Energy Transformations Intro  
Engineering and Information Technologies**

**Credit points:** 6 **Teacher/Coordinator:** Dr Marjorie Valix **Session:** Semester 2  
**Classes:** Two 1-hours lectures and a 3-hr tutorial each week **Prohibitions:** CHNG1101, CHNG1102, CHNG1001, CHNG1201 **Assumed knowledge:** Mathematics Extension 1; 2 unit Physics; 2 unit Chemistry. **Assessment:** Continuous assessment by assignments 50%; final examination 50%. **Practical field work:** Occasional field trips to industrial sites. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit of study is an introduction to chemical engineering processes and calculations.

**Syllabus summary:** Material transformations related topics will include unit systems and unit conversion; properties of fluids; mass balance calculations on flow systems; equilibrium compositions of reacting systems; vapour pressure and humidity. Energy related topics will include first law of thermodynamics applied to flow systems; thermodynamic properties such as enthalpy, internal energy, heat capacities; calculations for ideal gas and liquid gas systems and thermochemistry.

**Objectives:** Students should develop an understanding of and competence in the formulation and solution of material and energy balance problems in engineering; develop competence in using basic flowsheet analysis and appropriate computational tools; improve their group work and problem solving skills; gain an ability to extract a simplified version of a problem from a complex situation.

**Outcomes:** By the end of the unit of study, students will be able to set up and calculate energy and material balances for a variety of commonly encountered engineering scenarios; appreciate key aspects of processes carried out in today's chemical and process industries; work as an effective member of an engineering team; be able to outline a logical approach for solving a variety of complex engineering problems.

**CHNG2801****Conservation and Transport Processes  
Engineering and Information Technologies**

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Fariba Dehghani **Session:** Semester 1 **Classes:** 2 lectures per week for 1 semester, 1 hour tutorial per week for 1 semester and projects and self assisted learning (4 hours per week for 1 semester). **Prerequisites:** All core 1st year engineering units of study. **Assumed knowledge:** Calculus Computations (Matlab, Excel) Mass and Energy Balances **Assessment:** Competency based assessment, assessment weighting: Tutorials (20%) Quizzes (30%) Final examination and/or individual projects (30%) Group work and presentations (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

By the end of this unit of study, students should be proficient at applying the basic principles of mass, energy and momentum balances to solve engineering problems involving simple fluid flow, heat and mass transfer. Further, students will be able to perform simple dimensional analysis and to see the utility of this general approach in engineering: for example in friction factors, heat and mass-transfer correlations. Students will also develop skills in the basic design of different types of chemical reactors, given the corresponding chemical rate law.

The focus of this unit of study is to provide the key concepts and principles as tools through keynote lectures, with supporting tutorials and laboratory sessions giving valuable hands-on experience. Guidance will be provided to students to seek additional detailed information for specific applications in their projects.

This unit of study runs concurrently with another enabling technology unit of study CHNG2802. These two units together will provide students with the tools and know-how to tackle the real-life engineering problems encountered in the concurrent project-based unit of study, CHNG2803. This integrated course structure is designed to help students become familiar with the multi-disciplinary nature of chemical engineering today.

**CHNG2802****Applied Maths for Chemical Engineers  
Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Lectures (2 hours per week for 1 semester), tutorials (2 hours per week for 1 semester). **Prerequisites:** All core 1st year engineering units of study. **Corequisites:** CHNG 2803 (Analysis Practice 1) CHNG 2801 (Conservation and Transport Processes) CHEM 2404 (Forensic and Environmental Chemistry) **Assumed knowledge:** Enrolment in this unit of study assumes that all core science and engineering UoS in first-year have been successfully completed. **Assessment:** Competency based assessment, assessment weighting: Tutorials (20%), Quizzes (30%), Final examination and/or individual projects (30%), Group work and presentations (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit of study consists of two main strands : statistical analysis of data and numerical (computer based) methods for solution of equation sets.

By the end of the statistical analysis strand, students should be proficient at applying the basic principles of statistical analysis, and appreciate how they can be applied to a variety of engineering applications. The following statistical tools are studied: normal distribution, the test statistic z, confidence intervals for the population mean, t-distribution, hypothesis testing, data fitting, uncertainty analysis, propagation of random errors and analysis of variance.

The numerical methods strand will see students become proficient at: solution of single and multivariable algebraic equations; solution of nonlinear differential equations; use of Excel and Matlab for data manipulation and equation solving; use of commercial flowsheeting software (Hysys) for solving engineering problems.

This unit of study runs concurrently with another enabling technology unit of study, CHNG2801. These two units together will provide students with the tools and know-how to tackle the real-life engineering problems encountered in the concurrent project-based unit of study, CHNG2803. This integrated course structure is designed to help students become familiar with the multi-disciplinary nature of chemical engineering today.

### CHNG2803

#### Energy and Fluid Systems Practice Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Assoc. Prof. Howard See **Session:** Semester 1 **Classes:** Projects and self assisted learning (8 hours per week) **Prerequisites:** All core engineering 1st year units of study. **Corequisites:** CHNG 2801 (Conservation and Transport Processes) CHNG 2802 (Applied Mathematics for Chemical Engineers) CHEM 2404 (Forensic and Environmental Chemistry) **Assumed knowledge:** Ability to conduct mass and energy balances, and the integration of these concepts to solve real chemical engineering problems Ability to understand basic principles of physical chemistry, physics and mechanics. Ability to use mathematics of calculus (including vector calculus) and linear algebra, and carry out computations with MATLAB and MS EXCEL. Ability to read widely outside of the technical literature, and to synthesise arguments based on such literature. Ability to write coherent reports and essays based on qualitative and quantitative information. **Assessment:** Projects (50%); Final examinations (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit of study is centred around real-life engineering projects which cover traditional and non-traditional domains of chemical engineering, and span the energy, chemical processing and bio-medical sectors.

By the end of this unit, students will be proficient in analysing complex fluid and energy networks and decomposing them into their essential component parts. Students will understand the functionality of each of these key components, and will be able to characterise the performance of the engineering network in terms of both component and system-wide variables. Students will also be able to take this information and explore the optimum operating conditions for the network.

This unit of study runs concurrently with two enabling technology units of study, CHNG2801 and CHNG2802. These two units will provide students with the tools and know-how to tackle the real-life engineering problems encountered in CHNG2803. This integrated course structure is designed to help students become familiar with the multi-disciplinary nature of chemical engineering today.

### CHNG2804

#### Chemical & Biological Systems Behaviour Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Dr Vincent Gomes **Session:** Semester 2 **Classes:** Lectures (1 hour per week for 1 semester), tutorials (2 hours per week for 1 semester). Projects and self assisted learning (4 hours per week for 1 semester). **Prerequisites:** All core 1st year engineering units of study. **Corequisites:** CHNG 2805 (Industrial Systems and Sustainability) CHNG 2806 (Analysis Practice 2 - Treatment, Purification and Recovery Systems) CHEM 2403 (Chemistry of Biological Molecules) **Assumed knowledge:** Ability to conduct mass and energy balances, and the integration of these concepts to solve real chemical engineering problems Ability to understand basic principles of physical chemistry, physics and mechanics Ability to use mathematics of calculus (including vector calculus) and linear algebra, and carry out

computations with MATLAB and MS EXCEL. **Assessment:** Competency based assessment; assessment weighting: Tutorials (10%), Quizzes (30%), Final examination and/or individual projects (30%), Group work and presentations (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

**Aims and Objectives:** Chemical Engineering requires an understanding of material and energy transformations and how these are driven by molecular interactions. The rate of such transformations is dependent on driving forces and resistances, and these need to be defined in terms of fundamental physical and chemical properties of systems.

This course seeks to provide students with a sound basis of the thermodynamics of chemical and biological systems, and how these, in turn, define limits of behaviour for such real systems. The thermodynamic basis for rate processes is explored, and the role of energy transfer processes in these highlighted, along with criteria for equilibrium and stability. Emphasis is placed on the prediction of physical properties of chemical and biological systems in terms of state variables. The course delivery mechanism is problem-based, and examples from thermal, chemical and biological processes will be considered, covering molecular to macro-systems scale.

The course builds naturally from the second year first semester course in conservation and transport processes, and prepares students fundamentally for the third year course in design of chemical and biological processes, which deals fundamentally with reaction / separation systems, and considers phase and chemical equilibria.

By the end of this unit of study a student should be competent in the following: Understanding the thermodynamic basis of rate processes; Predicting equilibrium and stability of chemical and biological systems from thermodynamic information; Predicting physical properties of such systems in terms of state variables; Using thermodynamic property information to analyse energy and material transfer processes in real systems.

### CHNG2805

#### Industrial Systems and Sustainability Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Dr John Kavanagh **Session:** Semester 2 **Classes:** Lectures (2 hour per week for 1 semester), tutorials (2 hours per week for 1 semester). Projects and self assisted learning (4 hours per week for 1 semester). **Prerequisites:** All core 1st year engineering units of study. **Corequisites:** CHNG 2804 (Chemical and Biological Systems Behaviour) CHNG 2806 (Analysis Practice 2 - Treatment, Purification & Recovery Systems) CHEM 2403 (Chemistry of Biological Molecules) **Assumed knowledge:** Ability to conduct mass and energy balances, and the integration of these concepts to solve real chemical engineering problems Ability to understand basic principles of physical chemistry, physics and mechanics Ability to use mathematics of calculus (including vector calculus) and linear algebra, and carry out computations with MATLAB and MS EXCEL. Ability to read widely outside of the technical literature, and to synthesise arguments based on such literature Ability to write coherent reports and essays based on qualitative information **Assessment:** Competency based assessment; assessment weighting: Tutorials and Group Presentations (10%), Tests (30%), Projects (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

**Aims and Objectives:** To develop an awareness of the various concepts which underpin Sustainable Development, including technical and economic efficiency, stewardship of the bio-physical environment, and social acceptability.

To examine the material economy from the perspective of open and closed thermodynamic systems, and the implications of this for resource consumption and waste generation

To explore governing frameworks for Sustainability, and engagement of chemical engineers with these.

To explore tools and approaches for quantifying industry's environmental performance and how this can be examined within a Sustainability framework.

To consider process design and operation, and product design, from a Sustainability perspective, how these can be informed by Green Engineering principles, and to suggest how this combination of perspectives could lead to a re-defined industry sector.



By the end of this UoS a student should be competent in: Understanding the thermodynamic basis of the material economy in terms of resource consumption and waste generation; Understanding the philosophical, social and political bases for sustainability, in addition to the technical, economic and environmental ones; Understanding the role of technology in promoting sustainability; Understanding corporate responsibilities with respect to sustainability; Quantifying the environmental performance of Australian and Global industries (with specific reference to the resource and processing sectors) using appropriate tools; Interrogating governing frameworks for sustainability to support actions within industry; Understanding the trade-offs in decisions which impact on sustainability; Being effective communicators of sustainability arguments to all stakeholders, and interpreters of social and environmental concerns in ways which can help shape industry practice.

### CHNG2806

#### Materials Purification and Recovery

##### Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Dr Marjorie Valix **Session:** Semester 2 **Classes:** Projects and self assisted learning ( 8 hours per week for 1 semester.) **Prerequisites:** All core 1st year engineering units of study. **Corequisites:** CHNG2804 (Chemical and Biological Systems Behaviour) CHNG2805 (Industrial Systems and Sustainability) CHEM2403 (Chemistry of Biological Molecules) **Assumed knowledge:** Ability to conduct mass and energy balances, and the integration of these concepts to solve real chemical engineering problems Ability to understand basic principles of physical chemistry, physics and mechanics Ability to use mathematics of calculus (including vector calculus) and linear algebra, and carry out computations with MATLAB and MS EXCEL. Ability to read widely outside of the technical literature, and to synthesise arguments based on such literature Ability to write coherent reports and essays based on qualitative and quantitative information **Assessment:** Projects (50%); Final Examination (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

**Aims and Objectives:** To recognise that chemical engineers are involved in creation of products and processes, in manipulating complex systems, and in managing technical operations.

To develop an appreciation of the practical application of concepts and tools to real design problems in the process, product and service sectors in which chemical engineers are engaged.

To consider this through three project-driven case studies covering a range of integrated analysis scenarios, from the domain of energy and fluid systems.

This course is a concurrent requirement for the concept and enabling technology courses running in parallel in the same semester

By the end of this UoS a student should be proficient in the characterisation of process systems in which there is simultaneous transport of mass and energy, and optimise such systems around product quality objectives; characterisation of wastes and by-products in terms of their subsequent processing potential; understand biological processes to a level of being able to exploit them as reactive systems for product recovery; understand the tools of process analysis pertinent to such systems and to suggest design improvements to the component parts of such systems as part of process improvement. The three projects offered in this course module cover traditional and non-traditional domains of chemical engineering, and cover chemical and bio-chemical processing.

### CHNG3041

#### Exchange Program 3A

##### Engineering and Information Technologies

**Credit points:** 24 **Session:** Semester 1, Semester 2 **Prerequisites:** Completion of all Year 1 and 2 core units of study in Chemical Engineering, and at least 96 credit points towards the degree. Approval of the Heads of School of Chemical and Biomolecular Engineering at the University of Sydney and the host institution is required. **Assessment:** Individual approved subjects at the host institution are assessed according to their standard procedures and a grade of "R" satisfied requirements is recorded on their academic transcript from this institution. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

Year 3 elective unit of study for the degree in Chemical Engineering.

**Objectives/Outcomes:** The objective of this (single semester) Exchange Program is to provide students with the opportunity to live and learn in a foreign culture while completing the academic and professional requirements of the University of Sydney degree program. Upon completion of the full year-long exchange (i.e. both CHNG3041 and CHNG3042), students will have completed work at least equivalent to Year 3 in the Chemical Engineering degree, including in particular all Year 3 core units of study.

### CHNG3042

#### Exchange Program 3B

##### Engineering and Information Technologies

**Credit points:** 24 **Session:** Semester 1, Semester 2 **Prerequisites:** Completion of all Year 1 and 2 core units of study in Chemical Engineering, and at least 96 credit points towards the degree. Approval of the Heads of School of Chemical and Biomolecular Engineering at the University of Sydney and the host institution is required. **Assessment:** Individual approved subjects at the host institution are assessed according to their standard procedures and a grade of "R" satisfied requirements is recorded on their academic transcript from this institution. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

Year 3 elective unit of study for the degree in Chemical Engineering.

**Objectives/Outcomes:** The objective of this (single semester) Exchange Program is to provide students with the opportunity to live and learn in a foreign culture while completing the academic and professional requirements of the University of Sydney degree program. Upon completion of the full year-long exchange (i.e. both CHNG3041 and CHNG3042), students will have completed work at least equivalent to Year 3 in the Chemical Engineering degree, including in particular all Year 3 core units of study.

### CHNG3801

#### Process Design

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** Lectures (2 hours per week for 1 semester), tutorials (2 hours per week for 1 semester). **Prerequisites:** 12 credit points of junior Mathematics; 12 credit points of junior chemistry; ENGG1800; CHNG1103; CHNG2801; CHNG2802; CHNG2803; CHNG2804; CHNG2805; CHNG2806 **Corequisites:** CHNG3803 (Design Practice 1 - Chemical & Biological Processes) CHNG3802 (Operation, Analysis and Improvement of Industrial Systems) **Assumed knowledge:** Enrolment in this unit of study assumes that all (six) core chemical engineering UoS in second year have been successfully completed. **Assessment:** Competency based assessment; assessment weighting: Tutorials (20%), Quizzes (30%), Final examination and/or individual projects (30%), Group work and presentations (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This UoS is part of an integrated third-year program in chemical engineering. Completion of this body of work is required before a student will be permitted to move into the final-year with its emphasis on detailed design work, thesis based research and advanced engineering options.*

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit of study consists of three strands: reaction engineering; vapour-liquid equilibrium and distillation; heat transfer. The central aim is to show how these unit operations interact in the design and operation of process equipment.

The reaction engineering strand covers the following: development of appropriate kinetic rate laws; use of rate laws in designing continuous stirred tank, plug-flow and packed-bed reactors.

The second strand focuses on the following: numerical methods for predicting vapour-liquid equilibrium; binary and multi-component distillation; deviations from ideal behaviour.

The heat transfer strand covers the following issues: forced and natural convective heat transfer; shell and tube heat exchangers; heat transfer with phase change; radiative heat transfer.

The various strands make extensive use of computer software: Excel and Matlab for data manipulation and equation solving; commercial flowsheeting software (Hysys) for solving engineering design problems.

This unit of study runs concurrently with another enabling technology unit of study CHNG3802. These two units together provide students



with the tools and know-how to tackle real-life engineering problems encountered in the concurrent project-based unit of study, CHNG3803. This integrated course structure is designed to help students become familiar with the multi-disciplinary nature of chemical engineering today.

### CHNG3802 Operating/Improving Industrial Systems Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Dr John Kavanagh/Dr Ali Abbas  
**Session:** Semester 1 **Classes:** Lectures (2 hours per week for 1 semester), tutorials (2 hours per week for 1 semester). **Prerequisites:** 12 credit points of junior Mathematics; 12 credit points of junior Chemistry; CHNG1103; ENGG1800; CHNG2801; CHNG2802; CHNG2803; CHNG2804; CHNG2805; CHNG2806  
**Corequisites:** CHNG3801 (Process Design) CHNG3803 (Design Practice 1 - Chemical & Biological Processes) **Assumed knowledge:** Enrolment in this unit of study assumes that all (six) core chemical engineering UoS in second year have been successfully completed. **Assessment:** Competency based assessment; assessment weighting: Tutorials (10%), Quizzes (30%), Final examination and/or individual projects (30%), Group work and presentations (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This UoS is part of an integrated third-year program in chemical engineering. Completion of this body of work is required before a student will be permitted to move into the final-year with its emphasis on detailed design work, thesis based research and advanced engineering options.*

**Associated degrees:** B E, B S T, UG Study Abroad Program.

**Aims and Objectives:** All industrial processes require some process monitoring and control for satisfactory operation. The efficient use and recovery of energy is vital for industrial processes. The performance of a process may be improved via the implementation of some level of optimisation.

This unit of study commences with a component on process data management before moving on to empirical modelling and data reconciliation techniques. The second component will concentrate on the role of process control covering: the development of linear models, control system analysis, the design and performance of feedback control systems, advanced control systems and the use of control related software. In parallel, this unit of study also focuses on the efficient use of energy in process plants. The final component will focus on process optimisation of batch and continuous processes.

This unit of study demonstrates that: process control and optimisation are integral concepts for any modern plant; a unified approach allows a diversity of application fields to be readily handled via a consistent approach from data analysis, though process control to process optimisation. The unit of study will allow each student to achieve and demonstrate competency through a range of individual and group-based activities.

By the end of this unit of study a student should achieve competence in the following: process data management skills relevant to engineering (statistical analysis, data-based modelling and data reconciliation techniques); appreciation of the role of process control in modern manufacturing; designing an appropriate feedback control system and analysing its performance for a range of process applications using both traditional and software-based techniques; appreciation of the limitations of feedback control and be able to design a range of common enhancements; appreciation of the role of process optimisation in modern manufacturing; use of both traditional and software-based techniques to design optimisation schemes for a range of process applications and analyse the performance of such schemes; appreciate the limitations that exist whenever mathematical models are used as the basis for process control and/or optimisation; appreciate the 'vertical integration' that exists from modelling, through control, to optimisation.

### CHNG3803 Chemical/Biological Process Design Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Dr Vincent Gomes **Session:** Semester 1 **Classes:** Projects and self assisted learning (8 hours per week.) **Prerequisites:** 12 credit points of junior Mathematics; 12 credit points of junior Chemistry; CHNG1103; ENGG1800; CHNG2801; CHNG2802; CHNG2803; CHNG2804; CHNG2805; CHNG2806 **Corequisites:** CHNG3801 (Process

Design) CHNG3802 (Operation, Analysis and Improvement of Industrial Systems) **Assumed knowledge:** Ability to conduct mass and energy balances, and the integration of these concepts to solve real chemical engineering problems. Ability to understand basic principles of physical chemistry, physics and mechanics. Ability to use mathematics of calculus (including vector calculus) and linear algebra, and carry out computations with MATLAB and MS EXCEL. Ability to read widely outside of the technical literature, and to synthesise arguments based on such literature. Ability to write coherent reports and essays based on qualitative and quantitative information. **Assessment:** Projects (50%); Final Examination (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This UoS is part of an integrated third-year program in chemical engineering. Completion of this body of work is required before a student will be permitted to move into the fourth year.*

**Associated degrees:** B E, UG Study Abroad Program.

**Aims and Objectives:** To recognise that chemical engineers are involved in the creation of products and processes, in manipulating complex systems, and in managing technical operations; To develop an appreciation of the practical application of concepts and tools to real design problems in the process, product and service sectors in which chemical engineers are engaged; To consider this through three project-driven case studies covering a range of design scenarios, from the domain of chemical and biological processes.

This course is a concurrent requirement for the concept and enabling technology courses running in parallel in the same semester.

By the end of this unit of study a student should be proficient in: Developing a design strategy for integrated production of a liquid chemical product from a variety of raw materials, to specified purity, using a mix of chemical and biological synthesis techniques- and demonstrating this in project mode; Applying design and analysis tools for control and optimisation of the above process- and demonstrating this in project mode; Developing a strategy for chemical or biological product design, with a focus on characterisation of physical properties and functionality- and demonstrating this in project mode.

These three projects address the fundamentals of design of continuous processes, and the challenges inherent in them regarding their operation and optimisation.

### CHNG3804 Biochemical Engineering Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Fariba Dehghani **Session:** Semester 2 **Classes:** 1 x 1 hour lecture per week for 1 semester, 2 x 1 hr self directed group learning sessions per week for 1 semester. **Prerequisites:** 12 credit points of junior Mathematics; 12 credit points of junior Chemistry; CHNG1103; ENGG1800; CHNG2801; CHNG2802; CHNG2803; CHNG2804; CHNG2805; CHNG2806 **Assumed knowledge:** Enrolment in this unit of study assumes that all (six) core chemical engineering units of study in second year have been successfully completed. **Assessment:** Tutorials (10%), Quizzes (30%), Final examination and/or individual projects (30%), Group work and presentations (30%). **Practical field work:** 1 x 3 hour laboratory session per week for 1 semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study is a third year elective in chemical engineering. The concepts and enabling technologies taught in this course are relevant to the real world practice of chemical engineering across a range of industries. Students with an interest in bio-engineering will find the background provided by this unit of study particularly useful in their fourth year research thesis.*

**Associated degrees:** B E, UG Study Abroad Program.

Biochemical engineering is increasingly playing an important role in technology to modern society. The engineers with knowledge of various aspects of biochemical processes are tremendously valuable. The course will examine cutting edge examples of biochemical technologies across a broad range of applications relevant to chemical engineering. The specific objectives of this course are to understand the history and scope of the biotechnology industry; examine the role of biochemical engineering in the industrial application of biotechnology and its development. We will provide an understanding of the major fundamental aspects of biochemical engineering and implementing the knowledge acquired to some selected industrial applications.

At the completion of this unit of study students should have developed an appreciation of the underlying principles of biochemical engineering and the ability to apply these skills to new and novel situations. The students will be able to critically analyse different types of biochemical

engineering processes and to improve these processes consistent with the principles of biochemical engineering.

Students are encouraged to engage in an interactive environment for exchange of information and develop problem-solving skills for successfully handling challenging engineering situations. This course will be assessed by quizzes, assignments and exams.

### CHNG3805

#### Product Formulation and Design

#### Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrew Harris **Session:** Semester 2 **Classes:** lectures (2 hours per week for 1 semester), tutorials (1 hour per week for 1 semester) and projects and self assisted learning (4 hours per week for 1 semester) **Prerequisites:** 12 credit points of junior Mathematics; 12 credit points of junior Chemistry; CHNG1103; ENGG1800; CHNG2801; CHNG2802; CHNG2803; CHNG2804; CHNG2805; CHNG2806 **Corequisites:** CHNG3806 (Management of Industrial Systems) CHNG3807 (Design Practice 2 - Products and Value Chains) **Assumed knowledge:** Mass and Energy Balances Conservation and Transport Phenomena Applied Mathematics (for Chemical Engineering) Process Design Concepts Process Control and Optimisation Concepts **Assessment:** Competency based assessment; assessment weighting: Tutorials (20%), Quizzes (30%), Final examination and/or individual projects (30%), Group work and presentations (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This UoS is part of an integrated third-year program in chemical engineering. Completion of this body of work is required before a student will be permitted to move into the final-year with its emphasis on detailed design work, thesis based research and advanced engineering options.*

**Associated degrees:** B E, B S T, UG Study Abroad Program.

Product design is one of the new frontiers of chemical and biomolecular engineering. Many products emerge from their processing not as a continuous stream, but as discrete entities. There are many examples of discrete systems in chemical and biomolecular engineering; these include particulate systems (e.g. powders or solid particles in fluids), as well as polymeric and biological systems (e.g. emulsions and cells, respectively). This unit of study is an introduction to the basic concepts in discrete systems necessary for a chemical engineer to be able to formulate and design discrete products with desired properties. In essence it is a course on product formulation and design.

The unit of study will provide students with a working knowledge of the types of discrete systems available, the ways in which particulate systems can be characterized and their applications in industry. These aspects will form the foundation for an introduction to the common techniques used to model discrete systems. By the end of the unit of study students should be proficient at understanding the types of discrete systems available, and the techniques used to characterise particulate systems, understanding the basic principles of particle-fluid systems, applying these principles and solving simple problems in product design and particulate engineering.

### CHNG3806

#### Management of Industrial Systems

#### Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Adjunct Assoc. Prof. Donald White **Session:** Semester 2 **Classes:** Lectures (2 hours per week for 1 semester), tutorials (2 hours per week for 1 semester). Projects and self assisted learning (4 hours per week for 1 semester). **Prerequisites:** 12 credit points of junior Mathematics; 12 credit points of junior Chemistry; CHNG1103; ENGG1800; CHNG2801; CHNG2802; CHNG2803; CHNG2804; CHNG2805; CHNG2806 **Corequisites:** CHNG3805 (Product Formulation and Design) CHNG3807 (Design Practice 2 - Products and Value Chains) **Assumed knowledge:** Ability to conduct mass and energy balances, and the integration of these concepts to solve real chemical engineering problems Ability to understand basic principles of physical chemistry, physics and mechanics Ability to use mathematics of calculus (including vector calculus) and linear algebra, and carry out computations with MATLAB and MS EXCEL. Ability to read widely outside of the technical literature, and to synthesise arguments based on such literature Ability to write coherent reports and essays based on qualitative information **Assessment:** Competency based assessment; assessment weighting: Tutorials (10%), Quizzes (30%), Final examination and/or individual projects (30%), Group work and presentations (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This UoS is part of an integrated third-year program in chemical engineering. Completion of this body of work is required before a student will be permitted to move into the fourth year.*

**Associated degrees:** B E, B S T, UG Study Abroad Program.

**Aims and Objectives:** To develop an appreciation of management practice in process-led and product-driven industries; considering project management, economic evaluation of processes, risk assessment and decision making with multiple objectives and uncertainty; to develop the requisite tools to support above; to consider approaches to innovation and entrepreneurship; to consider all this in the context of different scales of operation - from single process, to business unit, to enterprise, and across supply and value chains; to support this analysis through real-problem case studies and projects.

By the end of this unit of study a student should be competent in: developing project work plans in conjunction with project management schedules; performing economic evaluations of projects, plans and processes; performing qualitative risk assessments of projects, plans and processes; exploring optimisation of complex processes under risk and uncertainty, covering unit operations, business units, enterprises and value chains.

### CHNG3807

#### Products and Value Chains

#### Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrew Harris **Session:** Semester 2 **Classes:** Projects and self assisted learning (8 hours per week for 1 semester.) **Prerequisites:** 12 credit points of junior Mathematics; 12 credit points of junior Chemistry; CHNG1103; ENGG1800; CHNG2801; CHNG2802; CHNG2803; CHNG2804; CHNG2805; CHNG2806 **Corequisites:** CHNG3805 (Product Formulation and Design) CHNG3806 (Management of Industrial Systems) **Assumed knowledge:** Ability to conduct mass and energy balances, and the integration of these concepts to solve real chemical engineering problems. Ability to understand basic principles of physical chemistry, physics and mechanics. Ability to use mathematics of calculus (including vector calculus) and linear algebra, and carry out computations with MATLAB and MS EXCEL. Ability to read widely outside of the technical literature, and to synthesise arguments based on such literature. Ability to write coherent reports and essays based on qualitative and quantitative information. **Assessment:** Projects (50%); Final examinations (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study is part of an integrated third-year program in chemical engineering. Completion of this body of work is required before a student will be permitted to move into the fourth year.*

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study is designed to give students experience at solving complex, interesting, real world engineering problems, by applying theoretical and experimental principles learnt during their studies. During the unit of study students will be required to work on three project-driven case studies covering a range of design scenarios, from the domain of particulate products, entrepreneurial ventures (business 'start ups'), ethics and product value chains. This unit of study is a concurrent requirement for the concept and enabling technology courses running in parallel in the same semester. By the end of the unit of study students should be proficient at developing a strategy for taking a product development idea from concept to commercial artefact - with a comprehensive appreciation of economic arguments, underlying uncertainties (and how to mitigate these), and consideration of trade-offs inherent in this development. They should also be able to apply design and analysis tools for the synthesis of particulate products leading to the manufacture of a preferred product at pilot scale and be able to develop a strategy for the design and analysis of extended business enterprises. A key aspect of the unit of study is that students demonstrate these outcomes in project mode. The three projects in the unit of study address "issues of scale" of chemical and biomolecular engineering, from molecular to macro-systems levels.

### CHNG3808

#### Polymer Engineering

#### Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** A/Professor Vincent Gomes, Department of Chemical Engineering, Room 452, 9351 4868, vgomes@chem.eng.usyd.edu.au **Session:** Semester 1 **Classes:** Lectures (2 hours per week for 1 semester), tutorials and laboratory sessions (2 hours per week for 1 semester). **Prerequisites:** 12 credit points of junior Mathematics; 12 credit points of junior Chemistry; CHNG1103; ENGG1800; CHNG2801; CHNG2802; CHNG2803; CHNG2804; CHNG2805; CHNG2806 **Assumed knowledge:** Completion of CHNG3801; CHNG3802; CHNG3803 and currently enrolled in CHNG3805, CHNG3806, CHNG3807. **Assessment:** Tutorials (10%),

Quizzes (30%), Final examination and/or individual projects (35%), Group work and presentations (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

Polymers are ubiquitous and a significant number of scientists and engineers are employed by the Polymer Industry. This unit of study will facilitate engagement with a broad spectrum of engineering knowledge base that range from polymer synthesis to design of polymer products to developing sustainable technology in polymer synthesis and applications. The industrial applications range from biomedical to electronics and semiconductors to nanotechnology, in addition to usual consumer products. Technical knowledge relating to polymer chemistry, mathematics, fluid and solid mechanics, heat transfer, mass transfer and reaction engineering will be applied for the planned outcomes of this course.

The specific objectives are: To analyse molecular structures and their relations with material properties; To investigate the variety of thermal and thermo-mechanical properties relevant for probing polymer structure as well as understanding material behaviour in the context of applications; To engage with rheological characterization of polymers to probe polymer structural as well as to understand material behaviour in the context of applications; To understand the principles of polymer synthesis and to design polymerization reactors for producing polymer resins; To understand the principles of polymer processing in order to design polymeric products for consumer and specialty applications; To critically analyze production of polymeric goods from the sustainability point of view; To engage with examples of cutting-edge engineering product and process designs and applications that encompass biomedical, nanotechnology, electronics and other emerging technologies.

At the completion of this Unit of Study students should have developed: An appreciation of the underlying principles of polymer engineering; The ability to apply these skills to new and novel situations; The ability to critically analyse the methods of manufacture of different products and processes and to improve these processes; The development of an integrated suite of problem-solving skills needed to successfully handle new engineering applications; An ability to independently research and be critical of the findings; An ability to analyze experimental data; An ability to carry out process and product design through critical thinking; Interpersonal, group and teamwork skills including the ability to communicate clearly and concisely; Professionalism in terms of taking responsibility for the results of their calculations and recommendations; Lifetime or self-directed learning skills including the ability to critically assess one's own performance in a constructive manner.

#### CHNG4001

##### Practical Experience

##### Engineering and Information Technologies

**Teacher/Coordinator:** Dr Marjorie Valix **Session:** Semester 1, Semester 2 **Classes:** There are no formal classes. Students are required to obtain a minimum of 10 weeks practical work experience before entering their 4th Year. **Assumed knowledge:** Advisory prerequisite: 28 credit points of 3rd year units **Assessment:** By submission of a report of approximately 2500 words on the industrial experience undertaken. The report will cover the nature of the industry, the company's organisational relationships both internally and externally and a technical section devoted to the work performed by the student. The report is to be submitted before the end of the first week of the 4th academic year. **Practical field work:** A minimum of 10 weeks work experience in a Chemical Engineering related industry. **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B E.

Fourth year core unit of study for the degree in Chemical Engineering.

**Objectives/Outcomes:** To obtain first-hand experience of the way chemical engineering skills are employed in an industrial context.

**Syllabus Summary:** Each student is required to work as an employee of an approved organisation and to submit a report on that work. The employment undertaken must be relevant to Chemical Engineering and should be discussed, before acceptance, with a member of the Department of Chemical Engineering. While the responsibility for obtaining satisfactory employment rests with the student, the

Department, through the Chemical Engineering Foundation, and the Careers and Appointments Service will assist wherever possible.

#### CHNG4003

##### Advances in Chemical Engineering A

##### Engineering and Information Technologies

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Classes:** Two (1hr) lectures plus one (1 hr) tutorial per week for one semester. **Assumed knowledge:** Knowledge of modern chemical engineering principles and practice. **Assessment:** Depending on the project, an assortment of: Case Study reports; oral presentations; assignments; projects; quizzes; final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

Fourth year elective unit of study for the degree in Chemical Engineering.

**Objectives/Outcomes:** The objective of this unit of study is to provide students with exposure to the latest developments in research and technology.

**Syllabus:** This unit will discuss the impact of current research and new technology on the profession of chemical engineering. It will address the changes that are taking place in industrial processes as a result of these new technologies. The syllabus details will change from time to time as specialist lecturers become available.

#### CHNG4006

##### Professional Option

##### Engineering and Information Technologies

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Classes:** There are no formal classes for this course. **Assumed knowledge:** Passed at least 144 credit points. **Assessment:** Written report or oral presentation or poster presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Student must be in the final semester of their degree program.*

**Associated degrees:** B E.

Fourth year elective unit of study for the degree in Chemical Engineering.

**Objectives/Outcomes:** The objective of this course is to provide students with experience in how to prepare and present a technical report.

**Syllabus:** This course requires a student to carry out an assignment related to the profession of chemical engineering - this will normally consist of a discussion of the design or operation of an industrial process. The discussion will be presented in the form of a written report, as a seminar, or both.

#### CHNG4041

##### Exchange Program 4A

##### Engineering and Information Technologies

**Credit points:** 24 **Session:** Semester 1, Semester 2 **Prerequisites:** Completion of all Year 1, 2 and 3 core units of study in Chemical Engineering, and at least 144 credit points towards the degree. Approval of the Heads of School of Chemical and Biomolecular Engineering at the University of Sydney and at the participating exchange institution. **Assessment:** Students spend either one academic year or semester at the host institution where they take a normal load. Their specific course choices are approved by the Heads of Department of the two institutions. Individual approved subjects at the host institution are assessed according to their standard procedures and a grade of "R" satisfied requirements will be recorded on their academic transcript from this institution. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

Year 4 elective unit of study for the degree in Chemical Engineering.

**Objectives/Outcomes:** The objective of this (single semester) Exchange Program is to provide students with the opportunity to live and learn in a foreign culture while completing the academic and professional requirements of the University of Sydney degree program. Upon completion of the full year-long exchange (i.e. both CHNG4041 and CHNG4042), students will have completed work at least equivalent to Year 4 in the Chemical Engineering degree, including in particular

the Year 4 core units of study, and will have fulfilled all the requirements of their degree from the University of Sydney.

### CHNG4042

#### Exchange Program 4B

#### Engineering and Information Technologies

**Credit points:** 24 **Session:** Semester 1, Semester 2 **Prerequisites:** Completion of all Year 1, 2 and 3 core units of study in Chemical Engineering, and at least 144 credit points towards the degree. Approval of the Heads of School of Chemical and Biomolecular Engineering at the University of Sydney and at the participating exchange institution. **Assessment:** Students spend either one academic year or semester at the host institution where they take a normal load. Their specific course choices are approved by the Heads of Department of the two institutions. Individual approved subjects at the host institution are assessed according to their standard procedures and a grade of "R" (satisfied requirements) is recorded on their academic transcript at this institution. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

Year 4 elective unit of study for the degree in Chemical Engineering. **Objectives/Outcomes:** The objective of this (single semester) Exchange Program is to provide students with the opportunity to live and learn in a foreign culture while completing the academic and professional requirements of the University of Sydney degree program. Upon completion of the full year-long exchange (i.e. both CHNG4041 and CHNG4042), students will have completed work at least equivalent to Year 4 in the Chemical Engineering degree, including in particular the Year 4 core units of study, and will have fulfilled all the requirements of their degree from the University of Sydney.

### CHNG4203

#### Major Industrial Project

#### Engineering and Information Technologies

**Credit points:** 24 **Session:** Semester 1 **Classes:** Student spends six months at an industrial placement working on a Chemical Engineering project. **Prerequisites:** Passed at least 144 credit points. Students wishing to do this unit of study are required to discuss the matter with the Head of School prior to enrolment. **Assessment:** Thesis; case study reports; oral presentations; poster presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment. Note: WAM greater than credit average.*

**Associated degrees:** B E.

This unit of study will give students a rich experience in carrying out a major project within an industrial environment, and in preparing and presenting detailed technical reports (both oral and written) on their work.

The project is carried out under joint University/industry supervision and extends over several months, with the student essentially being engaged fulltime on the project at the industrial site. Previous students have been placed with industries in areas including the mining industry, oil and gas processing, plastic and paint manufacture, food production, manufacturing and so on. Students will learn from this experience the following essential engineering skills : how to examine published and experimental data, set objectives, organise a program of work, and analyse results and evaluate these in relation to existing knowledge. Presentation skills will also be developed, which are highly relevant to many branches of engineering activity.

### CHNG4802

#### Chemical Engineering Design A

#### Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Adjunct Assoc. Prof. Don White **Session:** Semester 1 **Classes:** Lectures (2 hours per week for 1 semester), tutorials (2 hours per week for 1 semester), group work (2 hours per week for 1 semester). **Prerequisites:** CHNG3801 Process Design CHNG3802 Operation, Analysis and Improvement of Industrial Systems CHNG3803 Design Practice 1 - Chemical & Biological Processes CHNG3805 Product Formulation and Design CHNG3806 Management of Industrial Systems CHNG3807 Design Practice 2 - Products and Value Chains **Assumed knowledge:** Enrolment in this unit of study assumes that all (six) core chemical engineering unit of study in third year have been successfully completed. **Assessment:** Final examination and/or individual projects (30%), Group work and presentations (50%), Quizzes

and tutorials (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit of study is part of an integrated (two semester) fourth year program in chemical engineering design whose overarching aim is to complete the 'vertical integration' of knowledge - one of the pillars on which this degree program is based.*

**Associated degrees:** B E, UG Study Abroad Program.

**Aims and Objectives:** In the overall design process, chemical engineers must clearly understand the (often complex) interactions and trade-offs that occur between technical, economic, social and environmental considerations. This unit of study builds on concepts in each of these areas introduced in previous years but with an emphasis on their successful integration within a comprehensive design activity. This design activity is spread over two unit of study (Chemical Engineering Design A and B) run in first and second semester. The primary aim in the first unit of study is to consider the technical issues -with an emphasis on creating and evaluating a range of alternative options that exist at both the unit operation and complete flowsheet levels. The primary emphasis in the subsequent unit of study is on evaluating how non-technical considerations affect the final process design and its operation.

By the end of both units of study a student should be able to develop a wide range of alternative conceptual designs for a given product specification and market analysis, have an appreciation of how to evaluate process alternatives at the conceptual level with a view to creating a 'short-list' worthy of more detailed technical investigation, be familiar with the use of process flowsheeting software to compare alternative designs , appreciate the fact that technical considerations are only one component in an overall successful design project and be able to clearly present the results from both individual and group work in oral/written formats.

### CHNG4806

#### Chemical Engineering Design B

#### Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Adjunct Assoc. Prof. Don White **Session:** Semester 2 **Classes:** Lectures (Average 1-2 hours per week for 1 semester), group work 8-10 hours per week for 1 semester). **Prerequisites:** CHNG4802 Chemical Engineering Design A or CHNG4203 MIPPS **Assumed knowledge:** Enrolment in this unit of study assumes that all core chemical engineering units of study in third-year have been successfully completed, as well as the related first semester unit of study Chemical Engineering Design A. **Assessment:** Group work contribution, Group Report and presentations (80%), Individual projects (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit of study is part of an integrated (two semester) fourth year program in chemical engineering design whose overarching aim is to complete 'vertical integration' of knowledge - one of the pillars on which this degree program is based.*

**Associated degrees:** B E, UG Study Abroad Program.

**Aims and Objectives:** In the overall design process, chemical engineers must clearly understand the (often complex) interactions and trade-offs that occur between technical, economic, social and environmental considerations. This unit of study builds on concepts in each of these areas introduced in previous years but with an emphasis on their successful integration within a comprehensive design activity. This design activity is spread over two unit of study (Chemical Engineering Design A or MIPPS run in first semester and Design B in second semester. The primary emphasis in this semester is on evaluating the interactions between the technical and non-technical considerations, and how they affect the final process design and its operation.

By the end of this unit of study a student should be able to develop a wide range of alternative conceptual designs for a given product specification and market analysis, have an appreciation of how to evaluate process alternatives at the conceptual level with a view to creating a 'short-list' worthy of more detailed technical investigation, be familiar with the use of process flowsheeting software to compare alternative designs , appreciate the fact that technical considerations are only one component in an overall successful design project and be able to clearly present the results from both individual and group work in oral/written formats.

**CHNG4811****Honours Thesis A****Engineering and Information Technologies**

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrew Harris **Session:** Semester 1 **Prerequisites:** CHNG3801 Process Design CHNG3802 Operation, Analysis and Improvement of Industrial Systems CHNG3803 Design Practice 1 - Chemical & Biological Processes CHNG3805 Product Formulation and Design CHNG3806 Management of Industrial Systems CHNG3807 Design Practice 2 - Products and Value Chains. This unit is available to only those students who have gained an entry to the Honours degree. **Prohibitions:** CHNG4801 Chemical Engineering Thesis A, CHNG4813 Engineering Project A **Assumed knowledge:** Enrolment in this unit of study assumes that all (six) core chemical engineering UoS in third year have been successfully completed. **Assessment:** Oral Presentation (40%), Progress Report (including literature review) (60%). The final grade is based on the work done in both Honours Thesis A and Honours Thesis B, and will be awarded upon successful completion of Honours Thesis B. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Students are expected to take the initiative when pursuing their research projects. The supervisor will be available for discussion - typically 1 hour per week.*

**Associated degrees:** B E, UG Study Abroad Program.

The ability to plan, systematically conduct and report on a major research project is an important skill for professional engineers. This unit of study builds on technical competencies introduced in previous years, as well as making use of the report writing and communications skills the students have developed. The research activity is spread over two units (Chemical Engineering Thesis A and B) run in first and second semester. In this unit of study, students are required to plan and begin work on a major research project, which is very often some aspect of a staff member's research interests. Some of the projects will be experimental in nature, while others may involve computer-based simulation, design or literature surveys. In this unit, students will learn how to examine published and experimental data, set objectives, organize a program of work and devise an experimental or developmental program. The progress at the end of Thesis A will be evaluated based on a seminar presentation and a progress report. The skills acquired will be invaluable to students undertaking engineering work.

**CHNG4812****Honours Thesis B****Engineering and Information Technologies**

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrew Harris **Session:** Semester 2 **Prerequisites:** CHNG4811 Honours Thesis A **Prohibitions:** CHNG4805 Chemical Engineering Thesis B, CHNG4814 Engineering Project B **Assumed knowledge:** Enrolment in this unit of study assumes that Honours Thesis A and all (six) core chemical engineering units of study in third year have been successfully completed. **Assessment:** Progress Report and presentation (20%), Thesis (70%), Oral presentation (10%). The final grade is based on the work done in both Chemical Engineering Research Thesis A and B, and will be awarded upon successful completion of Chemical Engineering Research Thesis B. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students are expected to take the initiative when pursuing their research projects. The supervisor will be available for discussion - typically 1 hour per week.*

**Associated degrees:** B E, UG Study Abroad Program.

The ability to plan, systematically conduct and report on a major research project is an important skill for professional engineers. This unit of study builds on technical competencies introduced in previous years, as well as making use of the report writing and communications skills the students have developed. The research activity is spread over two units (Honours Thesis A and B) run in first and second semester. In this unit of study, the primary emphasis is on the execution of a comprehensive and systemic series of investigations, and the reporting of the study in a major thesis document and an oral presentation. Students will acquire skills in developing a plan for a series of studies to illuminate an area of research, in evaluating alternatives at the conceptual level with a view to creating a 'short-list' worthy of more detailed technical investigation, and in searching the literature for guidance of the studies. Further, communication skills will be developed, such as the ability to clearly present the background and results in a written format and in an oral presentation to a general engineering audience. This UoS is part of an integrated (two semester) fourth year program involving a chemical engineering research project

and thesis. It has the overarching aim of completing the 'vertical integration' of knowledge - one of the pillars on which this degree program is based. Students who have successfully completed CHNG4203 Major Industrial Project may apply for exemption from this unit of study and replace it with an advanced level chemical engineering elective unit of study.

**CHNG4813****Engineering Project A****Engineering and Information Technologies**

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrew Harris **Session:** Semester 1 **Prerequisites:** CHNG3801 Process Design CHNG3802 Operation, Analysis and Improvement of Industrial Systems CHNG3803 Design Practice 1 - Chemical & Biological Processes CHNG3805 Product Formulation and Design CHNG3806 Management of Industrial Systems CHNG3807 Design Practice 2 - Products and Value Chains. **Prohibitions:** CHNG4805 Chemical Engineering Thesis B, CHNG4811 Honours Thesis A **Assumed knowledge:** Enrolment in this unit of study assumes that all (six) core chemical engineering UoS in third year have been successfully completed. **Assessment:** Oral Presentation (40%), Progress Report (including literature review) (60%). The final grade is based on the work done in both Engineering Project A and B, and will be awarded upon successful completion of Engineering Project B. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students are expected to take the initiative when pursuing their research projects. The supervisor will be available for discussion - typically 1 hour per week.*

**Associated degrees:** B E, UG Study Abroad Program.

The ability to plan, systematically conduct and report on a major research project is an important skill for professional engineers. This unit of study builds on technical competencies introduced in previous years, as well as making use of the report writing and communications skills the students have developed. The research activity is spread over two units (Chemical Engineering Thesis A and B) run in first and second semester. In this unit of study, students are required to plan and begin work on a major research project, which is very often some aspect of a staff member's research interests. Some of the projects will be experimental in nature, while others may involve computer-based simulation, design or literature surveys. In this unit, students will learn how to examine published and experimental data, set objectives, organize a program of work and devise an experimental or developmental program. The progress at the end of Thesis A will be evaluated based on a seminar presentation and a progress report. The skills acquired will be invaluable to students undertaking engineering work.

**CHNG4814****Engineering Project B****Engineering and Information Technologies**

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrew Harris **Session:** Semester 2 **Prerequisites:** CHNG3801 Process Design CHNG3802 Operation, Analysis and Improvement of Industrial Systems CHNG3803 Design Practice 1 - Chemical & Biological Processes CHNG3805 Product Formulation and Design CHNG3806 Management of Industrial Systems CHNG3807 Design Practice 2 - Products and Value Chains. CHNG4813 Engineering Project A **Prohibitions:** CHNG4805 Chemical Engineering Thesis B, CHNG4812 Honours Thesis B **Assumed knowledge:** Enrolment in this unit of study assumes that all (six) core chemical engineering UoS in third year have been successfully completed. **Assessment:** Types of assessments and weighting to be used in this unit of study are as follows: Progress report and presentation (20%) Final Report (70%) Oral presentation (10%) The final grade is based on the work done in both Chemical Engineering Project A and B, and will be awarded upon successful completion of Chemical Engineering Project B. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students are expected to take the initiative when pursuing their research projects. The supervisor will be available for discussion - typically 1 hour per week.*

**Associated degrees:** B E, UG Study Abroad Program.

The ability to plan, systematically conduct and report on a major research project is an important skill for professional engineers. This unit of study builds on technical competencies introduced in previous years, as well as making use of the report writing and communications skills the students have developed. The research activity is spread over two units (Chemical Engineering Thesis A and B) run in first and second semester. In this unit of study, the primary emphasis is on the execution of a comprehensive and systemic series of investigations,

and the reporting of the study in a major thesis document and an oral presentation. Students will acquire skills in developing a plan for a series of studies to illuminate an area of research, in evaluating alternatives at the conceptual level with a view to creating a 'short-list' worthy of more detailed technical investigation, and in searching the literature for guidance of the studies. Further, communication skills will be developed, such as the ability to clearly present the background and results in a written format and in an oral presentation to a general engineering audience.

### CHNG5003

#### Green Engineering

##### Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrew Harris Department of Chemical Engineering Room 450 - 9351 2926 aharris@chem.eng.usyd.edu.au **Session:** Semester 2 **Classes:** 1 x 1 hour lecture per week, 2 x 1 hr self directed group learning sessions per week, and 1 x 3 hour laboratory session per week for 1 semester. **Assumed knowledge:** Enrolment in this unit of study assumes that all (six) core chemical engineering UoS in third year have been successfully completed. **Assessment:** Students will be assessed upon their performance in five case studies. Students will work in groups to solve real world engineering problems. They will document and report their findings using technical reports and oral presentation sessions. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

Green engineering, eco-technology and sustainable technology are all interchangeable terms for the design of products and processes that maximise resource and energy efficiency, minimise (or preferably eliminate) waste and cause no harm to the environment. In modern society, engineers equipped with the skills to develop sustainable technologies are tremendously valuable. This unit of study will examine cutting edge examples of sustainable technologies across a broad range of applications relevant to chemical and biomolecular engineering. The delivery of teaching and learning material will be exclusively in project mode. Students will be expected to critically analyse modern engineering processes and improve them, from the ground up if necessary, so that they satisfy the criteria of eco-design. At the completion of this unit of study students should have developed an appreciation of the underlying principles of green engineering and be able to demonstrate they can apply these skills to new and novel situations. Students are expected to develop an integrated suite of problem-solving skills needed to successfully handle novel (and previously unseen) engineering situations, coupled with an ability to independently research new areas and be critical of what is found, and an ability to cope with experimental data, change and uncertainty through critical thinking.

### CHNG5004

#### Particles and Surfaces

##### Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Dr. Peter Linkson **Session:** Semester 1 **Classes:** Lectures (2 hours per week for 1 semester), tutorials (2 hours per week for 1 semester), practicals (10 hours per semester). **Assumed knowledge:** Enrolment in this unit of study assumes that all (six) core chemical engineering UoS in third year and all unit operations have been successfully completed. **Assessment:** Tutorials (15%), Quizzes (30%), Final examination and/or individual projects (55%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This UoS is an advanced Chemical Engineering elective.*

**Associated degrees:** B E, UG Study Abroad Program.

Particles and Surfaces: Mineral Processing. Aims and Objectives: Solid-solid and solid-liquid interactions are an important aspect in mineral processing. The aim of any mineral processing operation is the efficient extraction of the valuable metals or minerals (concentrate) from the waste materials in the ore (gangue). The goal of this course is to understand the various key steps and the corresponding principles required to achieve metal extraction from the ores.

Syllabus summary: This course will elucidate the principles in size reduction or comminution of the ore in liberating the valuable minerals, examine the microscopic details of solid-liquid, solid-gas and solid-solid interactions in mineral processing and their roles in macroscopic phenomena such as adhesion, wetting, adsorption, and mineral

reactions such as reduction roasting and leaching. The general understanding of these factors will allow manipulation and improvement of performance in mineral beneficiation, dewatering of mineral slurries and extractive metallurgy.

By the end of this course students should develop a proficiency in characterisation of physical, surface and chemical properties of solids and metal aqueous streams; devising strategies to achieve extraction process objectives, within the constraints imposed by social, economic and physical environments, developing management strategies for treating liquid and solid effluents and becoming familiar with computer software packages in modelling aqueous and solid systems.

### CHNS1101

#### Chinese 1A (For Beginners)

##### Arts

**Credit points:** 6 **Session:** Semester 1, Summer Main **Classes:** 5 class hours per week of which one may be required language laboratory work **Corequisites:** Students are strongly advised to take ASNS1101, Introduction to Chinese Civilisation. **Prohibitions:** HSC Chinese for Background Speakers; eligibility for CHNS1201 or higher **Assumed knowledge:** This unit of study is suitable for complete beginners and for those students who, in the department's judgement, are best advised to go back to the beginning. **Assessment:** (Subject to revision) classwork (10%); oral exercises (e.g., role play exercises, interview) (25%); two major tests (40% in total) and shorter tests; quizzes and other language exercises (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students must attend a placement interview with a staff member of the department of Chinese Studies prior to enrolment.*

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program, UG Summer/Winter School.

This unit is an introduction to Modern Standard Chinese for beginners. Foundation work on pronunciation, pinyin romanisation, elementary grammar and the Chinese writing system will be followed by an integrated program of grammar learning, vocabulary development and training in the skills of listening and speaking. Students will learn to read and write approximately 350 characters.

##### Textbooks

Ted Yao and Yuehua Liu. Integrated Chinese. Level One, Part One. Textbook, Workbook and Character Workbook. 2nd edition. Boston: Cheng and Tsui, 2005  
A Multimedia Companion is also available

### CHNS1102

#### Chinese 1B (For Beginners)

##### Arts

**Credit points:** 6 **Session:** Semester 2, Summer Late **Classes:** 5 class hours per week of which one may be required language laboratory work **Prerequisites:** CHNS1101 **Prohibitions:** HSC Chinese for Background Speakers, eligibility for CHNS1201 or higher **Assumed knowledge:** One semester of Chinese at introductory level, preferably using full-form characters. **Assessment:** (Subject to revision) classwork (10%); oral exercises (e.g., role play exercises, interview) (25%); two major tests (40% in total); shorter tests, quizzes and other language exercises (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program, UG Summer/Winter School.

This unit is a continuation of Chinese 1A. On completion, students should have a good grasp of common grammatical patterns and be able to converse simply on everyday topics and read simple texts. They should have mastery (reading and writing) of up to about 700 characters.

##### Textbooks

Ted Yao and Yuehua Liu. Integrated Chinese. Level One, Part Two. Textbook, Workbook and Character Workbook. 2nd edition. Boston: Cheng and Tsui, 2005

### CHNS1201

#### Chinese 1C (For Advanced Beginners)

##### Arts

**Credit points:** 6 **Session:** Semester 1 **Classes:** 4 class hours per week. Language laboratory work will be required **Corequisites:** Students are strongly advised to take ASNS1101, Introduction to Chinese Civilisation **Prohibitions:** HSC Chinese for Background Speakers; eligibility for higher-level classes **Assumed knowledge:** Native- or near-native-speaker fluency in a spoken Chinese language (e.g., putonghua, Cantonese) combined with no, or very limited, knowledge of characters. **Assessment:** (Subject to revision) classwork (20%); two oral presentations (10% each); vocabulary quizzes (10%), four composition tests or exercises (20%) and two major reading/writing tests (15%)

each). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students must attend a placement interview with a staff member of the department of Chinese Studies prior to enrolment.*

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

A fast-paced intermediate unit of study intended primarily for native and fluent "background" speakers of Chinese languages, including Cantonese, who know few (up to about 200) characters or none at all. The objective is rapid development of Chinese-language proficiency to equip students for advanced work in Chinese Studies. Emphases include reading and writing skills and standard putonghua pronunciation.

#### Textbooks

Chou Chih-p'ing, Perry Link and Wang Xuedong. *Oh China: Elementary Reader of Modern Chinese for Advanced Beginners*. Princeton: Princeton University Press, 1997

### CHNS1202

#### Chinese 1D (For Advanced Beginners)

##### Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** 4 class hours per week. Language laboratory work will be required. **Prerequisites:** CHNS1201 **Prohibitions:** HSC Chinese for Background Speakers; eligibility for higher-level classes **Assumed knowledge:** Native- or near-native-speaker fluency in a spoken Chinese language (e.g., putonghua, Cantonese) combined with full mastery (reading and writing) of about 400 to 500 characters; at least basic communicative skills in putonghua. **Assessment:** (Subject to revision) classwork (20%); two oral presentations (10% each); vocabulary quizzes (10%); four composition tests or exercises (20%); two major reading/writing tests (15% each). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

Continuation of Chinese 1C, with similar objectives, pace and workload. By the end of the year, students should be capable of reading Chinese-language materials of limited complexity, and of discussing them in putonghua.

#### Textbooks

Chou Chih-p'ing, Perry Link and Wang Xuedong. *Oh China: Elementary Reader of Modern Chinese for Advanced Beginners*. Princeton: Princeton University Press, 1997.

### CHNS1801

#### Chinese Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Lang Stud.

This unit exists solely as an enrolment option for students who wish to study elementary Chinese while on exchange. Students who plan to study intermediate or advanced Chinese in China or Taiwan should seek department permission to enrol in a "Chinese In-Country Study" unit instead.

### CHNS1802

#### Chinese Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Lang Stud.

See under CHNS1801.

### CHNS2601

#### Chinese 2A (Lower Intermediate)

##### Arts

**Credit points:** 6 **Session:** Semester 1 **Classes:** 4 or 5 hours per week. Additional language laboratory work may be expected **Prerequisites:** CHNS1102 **Prohibitions:** HSC Chinese for Background Speakers or equivalent, CHNS2101 **Assumed knowledge:** One year (approx. 5 hours per week for 26 weeks) of Chinese at introductory level, preferably using full-form characters. **Assessment:** Classwork (10%); short compositions equivalent to 1000 words (20%); group performance, including written script (10%); three 1-hour tests

(20% each). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Intermediate unit of study in Modern Standard Chinese. Rapid vocabulary expansion, strengthening of reading, writing, listening and speaking skills, and sophistication of grammatical knowledge will be pursued in integrated fashion. Students must expect to work hard, using private study time to full advantage. On completion of this unit of study, students should have active use of up to about 1000 characters and be able to engage in simple discussions, write short compositions and read fluently within their vocabulary range.

#### Textbooks

Ted Yao and Yuehua Liu. *Integrated Chinese. Level Two. Textbook and Workbook*. 2nd edition. Boston: Cheng and Tsui, 2005

### CHNS2602

#### Chinese 2B (Lower Intermediate)

##### Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** 4 or 5 hours per week. Additional language laboratory work may be expected **Prerequisites:** CHNS2601 or CHNS2101 **Prohibitions:** HSC Chinese for Background Speakers or equivalent, CHNS2102 **Assumed knowledge:** Sound intermediate knowledge of Modern Standard Chinese, including full mastery of about 1000 characters (preferably full-form). **Assessment:** Classwork (10%); short compositions equivalent to 1000 words (20%); group performance, including written script (10%); three 1-hour tests (20% each). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Continuation of Chinese 2A, with similar workload. Rapid enhancement and expansion of essential Chinese-language skills (proficiency in listening and speaking, reading comprehension, dictionary use, character knowledge, etc.). On completion of this unit of study, students will know up to about 1300 characters and be able to read Chinese-language materials of limited complexity and to discuss their content orally and in short compositions.

#### Textbooks

Ted Yao and Yuehua Liu. *Integrated Chinese. Level Two. Textbook and Workbook*. 2nd edition. Boston: Cheng and Tsui, 2005

### CHNS2611

#### Classical Chinese A

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof H. Dunstan **Session:** Semester 1 **Classes:** 3 class hours per week **Prerequisites:** CHNS1102 or CHNS1202 or CHNS2602 or CHNS3602 or CHNS3604 or CHNS2102 or CHNS3104 or CHNS2204 or department permission **Prohibitions:** HSC Chinese for Background Speakers (or equivalent), CHNS2111, CHNS2903, CHNS1313 **Assumed knowledge:** Minimum of one year of Chinese at introductory level, preferably using full-form characters **Assessment:** Classwork (10%); two 30-minute tests (5% each); three 40-minute tests (20% each); cultural exploration project resulting in an essay of 1500 words (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Foundation work in Classical Chinese, an ancient language that still plays a role in modern China and that often challenges Western notions of how languages behave. Students will develop a basic understanding of the grammar and vocabulary, thus equipping themselves for exploration of China's distinctive philosophical and literary traditions in the original language. They will undertake supplementary reading in English on a topic of their choice, thus enriching their knowledge of premodern Chinese culture.

#### Textbooks

Robert L. Chard, Helen Dunstan and Derek Herforth. *Foundations in Classical Chinese: A Constructional Approach*. Available from the University Copy Centre.

### CHNS2612

#### Classical Chinese B

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr D. Herforth **Session:** Semester 2 **Classes:** 3 class hours per week **Prerequisites:** CHNS2611; or CHNS2111; or HSC Chinese for Background Speakers (or equivalent) plus department



permission; or CHNS1313 plus department permission or CHNS2903  
**Prohibitions:** CHNS2112, CHNS2904, CHNS1314 **Assessment:** Classwork (10%); three 50-minute tests (20% each); homework exercises (10%); cultural exploration project resulting in an essay of 1500 words (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Continued study of Classical Chinese grammar and vocabulary through original texts. Students will gain the knowledge and confidence to explore a wider range of ancient and early-imperial Chinese philosophical and literary writings, including some poetry, thereby acquainting themselves with certain major authors in the Chinese tradition. Supplementary reading in English will enable them to broaden and deepen their understanding of Chinese culture while practising some basic research skills.

#### Textbooks

Robert L. Chard, Helen Dunstan and Derek Herforth. Foundations in Classical Chinese: A Constructional Approach. Available from the University Copy Centre. Supplementary reference book: Edwin G. Pulleyblank. Outline of Classical Chinese Grammar. Vancouver: UBC Press, 1995

### CHNS2650

#### Chinese In-Country Study A

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** CHNS1102 or CHNS1202 (or a sequel within the same stream); or any senior CHNS unit of study whose numeric code has 60 as the second and third digits. Native speakers of Chinese who can read Chinese fluently and seek special permission to undertake in-country study after first year must present a coherent academic rationale to the department. **Assumed knowledge:** At least a year of Modern Standard Chinese at tertiary level (or equivalent). The department recommends that students complete at least two years of Chinese from beginning level prior to undertaking a full semester of in-country study. **Assessment:** As prescribed by the host institution. On successful completion of this unit of study, students will receive a "Satisfied Requirements" result at the University of Sydney. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

Enrolment in an approved semester-based program of study (normally intermediate or advanced Modern Standard Chinese language-training) at a tertiary institution in China or Taiwan. Students can earn 6 credit points for every 52 hours of Chinese-language class in China or Taiwan, to a maximum of 24 credit points in any one semester. Credit may also be awarded at the rate of 6 credit points per 4 full weeks of intensive study after completion of an approved summer in-country Chinese-language program.

### CHNS2651

#### Chinese In-Country Study B

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

All details as for CHNS2650.

### CHNS2652

#### Chinese In-Country Study C

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

All details as for CHNS2650.

### CHNS2653

#### Chinese In-Country Study D

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

All details as for CHNS2650.

### CHNS2654

#### Chinese In-Country Study E

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

All details as for CHNS2650.

### CHNS2655

#### Chinese In-Country Study F

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

All details as for CHNS2650.

### CHNS2656

#### Chinese In-Country Study G

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

All details as for CHNS2650.

### CHNS2657

#### Chinese In-Country Study H

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

All details as for CHNS2650.

### CHNS2810

#### Chinese Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

This unit exists solely as an enrolment option for students who wish to study Chinese while on exchange at a university elsewhere than in China or Taiwan. Students who plan to study intermediate or advanced Chinese in China or Taiwan should seek department permission to enrol in a "Chinese In-Country Study" unit instead.

### CHNS2811

#### Chinese Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*



**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

See under CHNS2810.

### CHNS2812

#### Chinese Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

See under CHNS2810.

### CHNS2813

#### Chinese Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

See under CHNS2810

### CHNS3601

#### Chinese 3A (Upper Intermediate)

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Y. Wang **Session:** Semester 1 **Classes:** 4 class hours per week. Language laboratory work will be required **Prerequisites:** CHNS2602 or CHNS2102 **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS3103 **Assumed knowledge:** Two years of university-level Chinese-language instruction for students without prior knowledge of Chinese. **Assessment:** Classwork (20%); two 1-hour tests (40% in total); group presentation and interview (20%); short quizzes (10%); Chinese-language writing assignments (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Upper-intermediate unit of study in Modern Standard Chinese. Proficiency in reading will be developed through study of Chinese-language texts on a range of social and cultural topics, short Chinese-language narratives, etc. Speaking, listening and writing will be enhanced through advanced language exercises, including composition and discussion, with due attention to the more sophisticated skills (e.g., use of appropriate registers, intelligent dictionary use, expressing ideas on more complex issues than at lower-intermediate level).

##### Textbooks

Hong Gang Jin et al. *China Scene: An Advanced Chinese Multimedia Course.* (Traditional & Simplified Character edn.), Boston: Cheng & Tsui Company, 2007

### CHNS3602

#### Chinese 3B (Upper Intermediate)

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Y. Wang **Session:** Semester 2 **Classes:** 4 class hours per week. Language laboratory work will be required **Prerequisites:** CHNS3601 or CHNS3103 **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS3104 **Assumed knowledge:** Two and a half years of university-level Chinese-language instruction for students without prior knowledge of Chinese. **Assessment:** Classwork (20%); two 1-hour tests (40% in total); group presentation and interview (20%); short quizzes (10%); Chinese-language writing assignments (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Continuation of Chinese 3A (Upper Intermediate). Continuing development of Chinese-language literacy through study of texts on a range of social and cultural topics, including some authentic literary texts. Further enhancement of speaking, listening and writing skills through advanced language exercises, including composition and discussion. Upon completion, students should be comfortable with both full-form and simplified characters, use dictionaries and language

registers discerningly, and be confident of their ability to express ideas and arguments effectively in Chinese.

##### Textbooks

Hong Gang Jin et al. *China Scene: An Advanced Chinese Multimedia Course.* (Traditional & Simplified Character edn.), Boston: Cheng & Tsui Company, 2007

### CHNS3603

#### Chinese 4A (Advanced)

##### Arts

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 or 4 hours per week **Prerequisites:** CHNS1202 or CHNS3602 or CHNS3104 **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS2203; CHNS2204 **Assessment:** (Subject to revision) classwork (20%); two 1-hour tests (20% each); group presentation (10%); Chinese-language writing assignments, at least one of which may be done under test conditions (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Advanced training in modern Chinese language, with a focus on reading. By studying a range of literary and non-literary texts, graded for difficulty, students will acquire the reading skills necessary for advanced work in Chinese Studies. They will enrich their knowledge of Chinese as a vehicle for discussion of important issues, while developing their own skills in oral and written expression of relatively complex subject matter. They will also acquaint themselves with some major Chinese authors.

##### Textbooks

Gao Zhengguo et al eds., *Reading China: A Panorama of Life, Culture, and Society*, Two Volumes, New Haven: Yale University Press, 2007

### CHNS3604

#### Chinese 4B (Advanced)

##### Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 or 4 hours per week **Prerequisites:** CHNS3603 or CHNS2203 **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS2204 **Assessment:** (Subject to revision) classwork (20%); two 1-hour tests (20% each); group presentation (10%); Chinese-language writing assignments, at least one of which may be done under test conditions (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Continuation of Chinese 4A (Advanced). Further training in the reading skills necessary for advanced work in Chinese Studies or professional work requiring Chinese-language literacy. Students will gain familiarity with a broader range of literary and non-literary texts reflecting the concerns of Chinese people in the modern world, while enhancing their ability to discuss complex subject matter in both spoken and written Chinese.

##### Textbooks

Gao Zhengguo et al eds., *Reading China: A Panorama of Life, Culture, and Society*, Two Volumes, New Haven: Yale University Press, 2007

### CHNS3605

#### Advanced Chinese Studies A

##### Arts

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 class hours per week **Prerequisites:** CHNS3604 or Distinction in CHNS3602. (Note: students who have earned a Distinction in CHNS3602 will be permitted to take this subject either with or instead of Chinese 4A). **Prohibitions:** HSC Chinese for Background Speakers (or equivalent). **Assessment:** Classwork (20%); two 1-hour in-class tests (20% each); one presentation based on research project (10%); one essay of 2250 English words resulting from research project (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Class study of literary and non-literary Chinese-language materials that reflect aspects of modern Chinese society, culture and politics. Students will gain practice in independent library-based research through associated essay work.

### CHNS3606

#### Advanced Chinese Studies B

## Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 class hours per week  
**Prerequisites:** CHNS3605 Advanced Chinese Studies A, or department permission. [Note: students who have earned a Distinction in CHNS3603 Chinese 4A (Advanced) will be permitted to take this subject either with or instead of CHNS3604 Chinese 4B (Advanced)] **Assessment:** Classwork (20%); one presentation based on research project (10%); one essay of 3000 English words (or an equivalent number of Chinese characters) based on an independent research project (40%); 2500 English words (or the equivalent in Chinese characters) of other written assignments (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program, UG Summer/Winter School.

Class study of challenging literary and/or non-literary Chinese-language materials that reflect aspects of modern Chinese society, culture and politics. Students will gain practice in independent library-based research through associated essay work.

### CHNS3608

#### Chinese for Business Purposes (A)

##### Arts

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 class hours per week  
**Prerequisites:** CHNS2602, CHNS1202 or CHNS2102 **Corequisites:** CHNS3601 or CHNS3603 **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS3421 **Assumed knowledge:** Sound intermediate knowledge of Modern Standard Chinese **Assessment:** Classwork (10%); two 90-minute in-class tests (40% in total); two take-home mini-essays in Chinese (about 550 characters each) (20% in total); research-based oral presentation (script should be about 700 characters) (15%); vocabulary quizzes (15%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Introduction to Business Chinese for students with sound intermediate knowledge of Modern Standard Chinese. Basic training in reading Chinese-language newspaper articles, business reports and advertisements, as well as conducting business negotiation, discussion and analysis. Students will gain understanding of the organisation and characteristics of the Chinese economy, using concepts that describe recent changes in government policy, industry, banking, the stock market and import and export trades, as well as the development of consumerism.

##### Textbooks

Jane C. M. Kuo. Open for Business: Lessons in Chinese Commerce for the New Millennium. Vol. 1. Textbook and Workbook. Boston: Cheng and Tsui, 2001

### CHNS3609

#### Chinese for Business Purposes (B)

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr E. U **Session:** Semester 2 **Classes:** 2 class hours per week **Prerequisites:** CHNS3608 or CHNS3421 **Corequisites:** CHNS3602 or CHNS3604 **Prohibitions:** HSC Chinese for Background Speakers or equivalent; CHNS3422 **Assumed knowledge:** Sound intermediate to advanced knowledge of Modern Standard Chinese; basic grounding in Chinese for business purposes. **Assessment:** Classwork (10%); two 90 minute in-class tests (40% in total); two take-home mini-essays in Chinese (about 550 characters each) (20% in total); research-based oral presentation (script should be about 700 characters) (15%); vocabulary quizzes (15%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Continuation of Chinese for Business Purposes (A). Further development of the skills acquired during First Semester. New topics introduced will include Chinese systems of management; the information technology, real estate and insurance industries; and issues regarding the Internet, intellectual property rights, and environmental protection.

##### Textbooks

Jane C. M. Kuo. Open for Business: Lessons in Chinese Commerce for the New Millennium. Vol. 2. Textbook and Workbook. Boston: Cheng and Tsui, 2001

### CHNS3633

#### Lu Xun and China's Modern Literature

## Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Y. Wang **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** HSC Chinese for Background Speakers (or equivalent) plus 12 junior non-language credit points from Table A of the Table of Units of Study in the Faculty of Arts; or CHNS1314; or CHNS3604; or CHNS2204; or department permission. **Prohibitions:** CHNS3533 **Assumed knowledge:** Advanced or native-speaker proficiency in reading Chinese **Assessment:** Classwork (20%); 2,500-word essay (35%); other written assignment(s) (e.g., discussion report) totalling 1,500 words (30%); oral assignment(s) (e.g., presentation plus discussion leadership) (15%). Either the essay or one other piece of written work may be in Chinese (consult instructor for required number of characters). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

Lu Xun was one of the most influential Chinese writers in the early decades of the twentieth century. The works of Lu Xun and his contemporaries marked the emergence of a modern Chinese literature that reflected its proponents' anxiety for sociocultural change and national salvation, absorbed external influences, and was intended to reach a wide readership. This unit of study highlights works by Lu Xun and other major authors in the context of the intellectual history of the time.

##### Textbooks

Reader available from the University copy Centre

### CHNS3634

#### Gender in Modern Chinese Literature

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Y. Wang **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** HSC Chinese for Background Speakers (or equivalent) plus 12 junior non-language credit points from Table A of the Table of Units of Study in the Faculty of Arts; or CHNS1314; or CHNS2204; or CHNS3604; or CHNS3104 plus instructor's permission. **Prohibitions:** CHNS3538 **Assumed knowledge:** Advanced or native-speaker proficiency in reading Chinese. **Assessment:** Classwork (20%); 2,500-word essay (35%); other written assignment(s) totalling 1,500 words (30%); oral assignment(s) (15%). Either the essay or one other piece of written work may be in Chinese (consult instructor for required number of characters). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B Int S, UG Study Abroad Program.

Recent research on gender and related issues in Chinese cultural context has transformed conventional ideas about the roles of women in the Chinese world. This unit of study will illustrate the value of gender-sensitive scholarship by focusing on literary studies. Students will learn fresh approaches to the study of Chinese society and culture by examining the representation of gender and sexuality in (mainly) modern Chinese literature.

##### Textbooks

Reader available from the University Copy Centre

### CHNS3642

#### Governing China: The Premodern Heritage

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof H. Dunstan **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** CHNS2612, Classical Chinese B OR CHNS2112, Readings in Classical Chinese OR CHNS2904, Honours Stream Classical Chinese (2) OR CHNS1314, Classical Chinese for Native Speakers (2). **Prohibitions:** CHNS 3452, Readings in Chinese Statecraft; CHNS 3552, Readings in Chinese Statecraft (Adv) **Assessment:** Classwork (20%); one 2000-word essay (30%); One 1-hour test (20%); Additional written assignments, 1500 words (e.g. translation, annotation, analysis), at least part of which may be done under test conditions (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B Int S, Dip Lang Stud, UG Study Abroad Program.

How did premodern Chinese governments keep their realms well-organised without computers? What kinds of problem did rulers and their advisors identify, and how did they propose to deal with them? In this unit of study we shall explore how premodern Chinese

statesmen and political philosophers drew on both Confucian and Legalist ideas to address problems such as crime, population growth, social inequality, environmental change, famine, and despotism. We shall read some remarkable documents in the original Classical Chinese.

### CHNS3645 Classical Chinese Prose Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr. D Herforth **Session:** Semester 2  
**Classes:** 3 hours per week **Prerequisites:** CHNS2112 or CHNS1314 or CHNS2904 or CHNS2612 **Prohibitions:** CHNS3547; CHNS3447 **Assessment:** Classwork (20%); two 45-minute tests (15% each); 2,000-word essay (25%); oral presentation based on work for essay (10%); other exercises (15%). Students may choose to write their essay in Chinese (consult instructor for the required number of characters). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

Critical examination of samples of admired nonfictional writing in Classical Chinese from after the foundation of the unified empire in 221 B.C. Students will gain an appreciation of the relationship between style and substance in literary Chinese prose. One or two genres (e.g., travel-related or argumentative essays) or periods (e.g., the Tang dynasty) may be studied in greater depth, and students will be expected to consult relevant secondary scholarship in the selected areas.

### CHNS4011 Chinese Honours A Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Bray, Prof Dunstan, Dr Herforth, Dr Wang **Session:** Semester 1, Semester 2 **Prerequisites:** The minimum requirements are as follows: (1) a major in Chinese Studies plus sufficient additional credit points selected from CHNS and ASNS 261x, 361x and 211x units of study to reach 48 senior credit points; and (2) a Credit average in all qualifying units of study. In addition, ASNS3690, Approaches to Research in Asian Studies is strongly recommended and may be counted towards the required 48 senior credit points by all students except those whose qualifying senior credit points include CHNS2601 (or 2101) and/or CHNS2602 (or 2102). Intending Honours students are advised to take as many senior credit points as possible in Chinese language and China-related subjects. **Assessment:** Four coursework components each requiring 5,000 words of essay-type assessment (or equivalent) (two thirds of final mark); 12,000-16,000 word thesis (one third of final mark). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

The heart of the Honours program is the research and writing, over two semesters, of a thesis of 12000 to 16000 words, in English, on a topic in Chinese Studies that is chosen by the student and approved by the department. Chinese-language material must be used. Supervision is available in a wide range of fields, including: contemporary Chinese politics, culture and society; contemporary, modern and classical Chinese literature; Chinese history; Chinese linguistics; and the study of gender in Chinese cultural contexts. If a substantial proportion of the thesis is to consist of translation, the written approval of the chair of department must be obtained in advance. Normally, not more than one third of a thesis may comprise translation. The thesis counts for one third of the final Honours mark. In addition to the Honours thesis, students undertake four coursework components, of which one may comprise supervised reading in an area that especially interests the student and/or participation in a joint thesis research seminar (subject to confirmation). The coursework components will be selected, in consultation with the chair of department (or nominee), according to the student's proficiency in Chinese. Advanced language work will be available for students who have completed only the basic three-year sequence in Chinese language from beginning level. The Honours-level seminars that will be available in 2008 (subject to confirmation) are: Approaches to Research on Modern China; Society and Individual in Post-Mao China; and Society and State in China 1368-1911. Each coursework

component requires 5,000 words of essay-type assessment (or equivalent).

The department will assist individual students to work out an Honours program that is relevant to their needs and interests, within the limits of available resources. It is also positively interested in arranging joint Honours programs for suitably qualified students in accordance with Faculty resolutions.

### CHNS4012 Chinese Honours B Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** See under CHNS4011. **Corequisites:** CHNS4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

See under CHNS4011.

### CHNS4013 Chinese Honours C Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** See under CHNS4011. **Corequisites:** CHNS4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

See under CHNS4011.

### CHNS4014 Chinese Honours D Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** See under CHNS4011. **Corequisites:** CHNS4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

See under CHNS4011.

### CISS2001 Business in the Global Environment Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 2hrs of lectures and 1 x tutorial per week **Prerequisites:** 4 junior units of study **Assessment:** Individual and group quizzes; case-studies; reflective journal summative task; country opportunity/risk report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com, B Com (Liberal Studies), B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit introduces students to doing business in the global environment of the twenty-first century. The broad themes examined are globalisation and the multinational company; the international political and economic environment; development and social change; international law and organisations; trade and investment; technology and innovation, and the new challenges in international security. This inter-disciplinary unit is taught collaboratively, using team-based learning, case-study and country risk analyses. The unit thereby provides students with the opportunity to develop intercultural competency, as well as to reflect on ethics and human rights in business both at home and abroad.

### CIVL0011 Civil Exchange A Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Stuart Reid, Civil Engineering, Room 313, 9351 2121, Fax 9351 3343, s.reid@civil.usyd.edu.au **Session:** Semester 1, Semester 2 **Classes:** A workload one quarter of that a full time student at the exchange university. Meet requirements of the exchange course. **Prerequisites:** Departmental permission required, Students must have a WAM >65 and to have completed one full year of study, that is 48 credit points **Assessment:** As set out by the exchange university. A Pass/Fail mark will be recorded for this subject. The mark obtained from the exchange university will

not be included in University of Sydney WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

Equivalent syllabus of Civil Engineering unit of study/studies. To be approved by relevant unit of study coordinators.

#### CIVL0012

##### Civil Exchange B Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Stuart Reid, Civil Engineering, Room 313, 9351 2121, Fax 9351 3343, s.reid@civil.usyd.edu.au  
**Session:** Semester 1, Semester 2 **Classes:** A workload one quarter of that a full time student at the exchange university. Meet requirements of the exchange course. **Prerequisites:** Department permission required. **Assessment:** As set out by the exchange university. A Pass/Fail mark will be recorded for this subject. The mark obtained from the exchange university will not be included in University of Sydney WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Student must have WAM > 65 and to have completed one full year of study, that is 48 credit points.*

**Associated degrees:** B E.

Equivalent syllabus of Civil Engineering unit of study/studies. To be approved by relevant unit of study coordinators.

#### CIVL0013

##### Civil Exchange C Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Stuart Reid, Civil Engineering, Room 313, 9351 2121, Fax 9351 3343, s.reid@civil.usyd.edu.au  
**Session:** Semester 1, Semester 2 **Classes:** A workload one quarter of that a full time student at the exchange university. Meet requirements of the exchange course. **Prerequisites:** Department permission required. **Assessment:** As set out by the exchange university. A Pass/Fail mark will be recorded for this subject. The mark obtained from the exchange university will not be included in University of Sydney WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Student must have WAM > 65 and to have completed one full year of study, that is 48 credit points.*

**Associated degrees:** B E.

Equivalent syllabus of Civil Engineering unit of study/studies. To be approved by relevant unit of study coordinators.

#### CIVL0014

##### Civil Exchange D Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Stuart Reid, Civil Engineering, Room 313, 9351 2121, Fax 9351 3343, s.reid@civil.usyd.edu.au  
**Session:** Semester 1, Semester 2 **Classes:** A workload one quarter of that a full time student at the exchange university. Meet requirements of the exchange course. **Prerequisites:** Department permission required. **Assessment:** As set out by the exchange university. A Pass/Fail mark will be recorded for this subject. The mark obtained from the exchange university will not be included in University of Sydney WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Student must have WAM > 65 and to have completed one full year of study, that is 48 credit points.*

**Associated degrees:** B E.

Equivalent syllabus of Civil Engineering unit of study/studies. To be approved by relevant unit of study coordinators.

#### CIVL0015

##### Civil Exchange E Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Stuart Reid, Civil Engineering, Room 313, 9351 2121, Fax 9351 3343, s.reid@civil.usyd.edu.au  
**Session:** Semester 1, Semester 2 **Classes:** A workload one quarter of that a full time student at the exchange university. Meet requirements of the exchange course. **Prerequisites:** Department permission required. **Assessment:** As set out by the exchange university. A Pass/Fail mark will be recorded for this subject. The mark obtained from the exchange university will not be included in University of Sydney WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Student must have WAM > 65 and to have completed one full year of study, that is 48 credit points.*

**Associated degrees:** B E.

Equivalent syllabus of Civil Engineering unit of study/studies. To be approved by relevant unit of study coordinators.

#### CIVL0016

##### Civil Exchange F Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Stuart Reid, Civil Engineering, Room 313, 9351 2121, Fax 9351 3343, s.reid@civil.usyd.edu.au  
**Session:** Semester 1, Semester 2 **Classes:** A workload one quarter of that a full time student at the exchange university. Meet requirements of the exchange course. **Prerequisites:** Department permission required. **Assessment:** As set out by the exchange university. A Pass/Fail mark will be recorded for this subject. The mark obtained from the exchange university will not be included in University of Sydney WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Student must have WAM > 65 and to have completed one full year of study, that is 48 credit points.*

**Associated degrees:** B E.

Equivalent syllabus of Civil Engineering unit of study/studies. To be approved by relevant unit of study coordinators.

#### CIVL0017

##### Civil Exchange G Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Stuart Reid, Civil Engineering, Room 313, 9351 2121, Fax 9351 3343, s.reid@civil.usyd.edu.au  
**Session:** Semester 1, Semester 2 **Classes:** A work load one quarter of that of a full time student at the exchange university. Meet requirements of the exchange course. **Prerequisites:** Department permission required. **Assessment:** As set out by the exchange university. A Pass/Fail mark will be recorded for this subject. The mark obtained from the exchange university will not be included in University of Sydney WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Student must have WAM > 65 and to have completed one full year of study, that is 48 credit points.*

**Associated degrees:** B E.

Equivalent syllabus of Civil Engineering unit of study/studies. To be approved by relevant unit of study coordinators.

#### CIVL0018

##### Civil Exchange H Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Stuart Reid, Civil Engineering, Room 313, 9351 2121, Fax 9351 3343, s.reid@civil.usyd.edu.au  
**Session:** Semester 1, Semester 2 **Classes:** A work load one quarter of that of a full time student at the exchange university. Meet requirements of the exchange course. **Prerequisites:** Department permission required. **Assessment:** As set out by the exchange university. A Pass/Fail mark will be recorded for this subject. The mark obtained from the exchange university will not be included in University of Sydney WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Student must have WAM > 65 and to have completed one full year of study, that is 48 credit points.*

**Associated degrees:** B E.

Equivalent syllabus of Civil Engineering unit of study/studies. To be approved by relevant unit of study coordinators.

#### CIVL2110

##### Materials Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 52 hours Lectures, 26 Tutorials; one 3-hour lab session **Assessment:** Assignments, Presentation and Report, Mid Semester Exam, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit of study aims to provide students with the tools necessary to select the adequate materials for a given application and to assess its mechanical behaviour while in use. The knowledge learned during this class will find applications in the following units of study: steel structures, concrete structures and soil mechanics.

#### CIVL2201

##### Structural Mechanics

**Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1 **Classes:** lec: 39hrs, tut: 26hrs.  
**Prerequisites:** ENGG1802 Engineering Mechanics **Assessment:** Tutorial submissions, laboratory reports, quizzes and end of semester examination.  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

The primary objective of this unit is to understand internal actions (forces and moments) in structures (deformable objects) under loads in three key areas: how structures resist external loads by internal actions; the distribution of internal actions within structures; and the deformations, stresses and strains associated with the internal actions.

At the end of this unit, students should be able to understand the basic methods of load transfer in structures - tension, compression, bending, shear and torsion (internal actions); apply the equations of equilibrium to determine the distribution of internal actions in a simple structure by drawing BMDs, SFDs, AFDs, and TMDs; understand the significance and methods of calculation of the geometric properties of structural sections (I, Z, S, J etc); understand the effect of internal forces and deformations of bodies through the concept and calculation of strains and stresses; appreciate the behaviour of structures by analysing structures without numerical calculations; display a knowledge of basic material properties, combined stresses and failure criteria; and demonstrate their hands-on experience of the behaviour of structural members via experiments and the ability to prepare written reports on those experiments.

Emphasis in the assessment scheme will be placed on understanding structural behaviour and solving problems, rather than remembering formulae or performing complex calculations.

The course seeks to utilise and improve the generic skills of students, in areas such as problem solving, neat and logical setting out of solutions, report writing, and team work.

The syllabus comprises introduction; equilibrium; internal actions: BMDs, SFDs, AFDs, and TMDs; elasticity, stress and strain, and basic material properties; axial forces: tension and compression; elastic bending of beams; shear force and shear stresses in beams; torsion; deflection of beams; pipes and pressure vessels; trusses; material properties, combined stresses and yield criteria; advanced bending; introduction to buckling and instability.

**Textbooks**

Tim Wilkinson, Structural Mechanics, Pearson Education.

Reference Books/Library Classifications:

Some relevant books may be found in the library in the following areas:

531.38 Elasticity

620.1 Engineering Mechanics

620.11 Strength of Materials

624.17 Structural Analysis

**CIVL2230****Intro to Structural Concepts and Design****Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 26 hours lectures, 39 hours design and tutorials **Assumed knowledge:** ENGG1802 Engineering Mechanics, CIVL2110 Materials CIVL2201 Structural Mechanics **Assessment:** Design class assignments and one 3 hr closed book exam covering the whole syllabus at the end of the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

The objectives of this unit are to provide an understanding of design concepts and the design of steel and concrete structures; an understanding of limit states design and structural loading. To be aware of different foundation systems and their choice. To provide an introduction to design of steel and concrete elements.

At the end of this unit, students will gain proficiency in the selection of foundation and structural systems including bracing, and floor systems; proficiency in the computation of permanent, imposed, wind and earthquake loads; proficiency in the design of simple structural elements for flexure in concrete and steel.

**Textbooks**

Introduction to Structural Concepts and Design Lecture Notes, Department of Civil Engineering, University of Sydney.

SAA HB2.2 Australian Standards for Civil Engineering Students: Part 2: Structural Engineering

Reference Books:

Chen, Handbook of Structural Engineering, CRC Press (1997)

Warner, Rangan, Hall and Faulkes, Concrete Structures (Longman)

Trahair and Bradford, Behaviour and Design of Steel Structures to AS4100 3rd Ed (E & FN Spon 1998)

Timber Design Handbook, SAA HB108-1998

**CIVL2410****Soil Mechanics****Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 39 hours lectures, 13 hours tutorial, 13 hours laboratory **Assumed knowledge:** CIVL2201 Structural Mechanics **Assessment:** Tutorials, laboratory reports, mid-semester test, final 3 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

The objectives of this unit are to develop an understanding of the nature of soils as engineering materials, the common soil classification systems and their uses; the importance of water in the soil and the engineering effects of water movement; the factors controlling soil settlement and the methods of settlement calculation; the concept of soil strength and how this can be used to calculate earth pressures.

At the end of this unit, students will be able to give an engineering classification of any piece of soil, and on this basis predict how it will perform as an engineering material; understand the principle of effective stress, and be able to apply this to calculate the stresses causing soil deformation; calculate quantities of water flowing through the ground, and understand the engineering consequences of water flow; calculate the settlements, and rates of settlement, under structures of various shapes and sizes; explain the advantages and limitations of the different methods of settlement calculation; determine the strength parameters appropriate to a range of stability problems, and understand the difference between total and effective stress approaches; evaluate strength parameters from laboratory data.

The syllabus comprises terminology, soil classification, compaction, effective stress, steady state seepage, one-dimensional compression, stresses beneath loaded areas, 1-D settlement analysis, consolidation, numerical analysis of consolidation, 3-D settlement analysis using elasticity, shear strength, introduction to critical state soil mechanics, earth pressure theories.

**Textbooks**

(Reference books)

C.R. Scott An introduction to Soil Mechanics and Foundations

J.H. Atkinson An introduction to the Mechanics of Soils and Foundations through Critical State Soil Mechanics

R.F. Craig Soil Mechanics

**CIVL2511****Instrumentation & Measurement****Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 2 **Classes:** Lectures 20hrs; Tutorials 40hrs **Assumed knowledge:** CIVL2201 Structural Mechanics, ENGG1802 Engineering Mechanics **Assessment:** 1 major project, tutorial assignments, 2-hr final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

The objectives of this unit are to introduce students to the philosophy and principles of measurement, and its uses in Civil Engineering practice and research. The instrumentation used in practice, the underlying physical principles and the basic electrical/electronic and signal processing issues. It will introduce students to issues in the planning and construction of experiments. Give experience working in groups and in producing reports.

At the end of this unit, students should gain an understanding of the importance of measurement, of the methods and application of measurement; ability to conduct experiments and interpret measurements. The course will reinforce key concepts in Structural Mechanics, Fluid Mechanics, Soil Mechanics and Surveying.

The syllabus comprises principles of measurement, presentation of data, error analysis, stress and strain, sensor types and technologies

wave based techniques and wave analysis, photographic techniques, signal processing, electric circuit theory.

### CIVL2611

#### Fluid Mechanics: Inviscid Flow

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 26 hrs Lectures, 26 hours Tutorials, 4 x 2 hours Laboratories **Assumed knowledge:** MATH1001 Differential Calculus, ENGG1802 Engineering Mechanics, CIVL2201 Structural Mechanics **Assessment:** Laboratory Reports, Leadership in Group Work, Mid-Sem Exam & Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

The objectives of this unit of study are to develop an understanding of basic fluid mechanics concepts of incompressible flows. We assume that the physics of the flow can be described by inviscid fluid equations. Further we identify in which flow zones these equations apply and study the physics of irrotational flow, streamlines and velocity potential. Steady and unsteady flow solutions are investigated. Furthermore, flow around fixed and floating cylindrical structures and other objects are studied to estimate the pressures and forces on structures. We further study free-surface water wave models in deep water applications based on the Laplace and Bernoulli equations. Solutions are discussed in relation to waves in tanks, ship stability, oscillations in harbours, offshore platforms and other marine structures. We introduce model scale laws and dimensional analysis for undertaking basic fluid laboratory studies. Conducting classical experiments and corresponding report write-up training, reflecting an understanding of the basic theory and interpretation of flow physics, are important components of this unit of study. Although the unit of study has a focus on a theoretical background to fluid flow, computational as well as experimental approaches in obtaining fluid flow solutions are highlighted in the context of modern engineering analysis and design.

### CIVL2810

#### Engineering Construction and Surveying

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 39 hrs lectures, 42 hours fieldwork & tutorial **Assumed knowledge:** MATH1001, MATH1002, MATH1003, MATH1005 **Assessment:** Regular coursework, fieldwork, reports, tutorials and assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

The objectives of this unit are to gain an understanding of the fundamentals of engineering construction including systems and methods in construction of excavation, embankments and other earthworks, hauling and associated operations. To provide basic analogue methods of distance, angle and height measurement. To provide an understanding of three dimensional mapping using basic total station electronic field equipment with associated data capture ability. To give an insight into future trends in the use of GPS and GIS systems.

At the end of this unit, students should develop basic competency in earthwork engineering and economic optimisation of related construction, including proposing and analysing systems and methods, estimation of probable output, unit cost and productivity evaluation. Proficiency in the design and implementation of mapping systems in Civil Engineering, using analogue and electronic field equipment and associated software packages.

The syllabus comprises introduction to the framework under which construction projects are formulated and analysed; construction engineering fundamentals; construction systems related to excavation, hauling and embankment construction, including selection and evaluation of plant and methods as well as the expected output and cost; introduction to construction operations management. Introduction to engineering surveying, distance measurement, angle measurement, levelling, traversing, topographic surveys, electronic surveying equipment, future surveying technologies.

### CIVL3010

#### Engineering and Society

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** Lecture 26hrs **Assumed knowledge:** ENGG1803 Professional Engineering **Assessment:** Workshop submissions, assignments, projects, 1 hr mid semester exam, 1 hr final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

The goals of this unit are to introduce students to major problems of environmental deterioration and to concepts of sustainability and ethics, and show the role of civil engineers in addressing these issues; to develop an appreciation for the impact of civil engineering decisions within the broader economic, environmental and socio-cultural contexts; to develop communication skills through participation in group discussions, oral presentations, and written report writing. Lectures, group discussions, case problems and projects are all used in teaching and learning in this unit of study.

At the end of the unit, students will be able to describe major environmental problems of local air pollution, climate change and water quality and the role civil engineers play in generating, preventing and resolving these problems. Students will have a better ability in designing more sustainable housing developments through the BASIX system. Students will develop a greater social awareness and their capabilities in ethical, moral and social reasoning will be strengthened, hence improving their decision-making abilities.

The syllabus comprises role(s) of Civil Engineers, historical development of profession, air pollution, climate change, water quality; history of the sustainability concept, definitions of sustainability; environment as an economic externality and polluter-pay principle; BASIX design system; theories of ethical behavior - deontology, utilitarianism, virtue ethics, codes of ethics, public interest disclosures, people, leadership and integrity, building ethical organization.

### CIVL3205

#### Concrete Structures 1

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** Lecturer 39hrs; tutorials 39hrs **Assumed knowledge:** CIVL2110 Materials, CIVL2201 Structural Mechanics, CIVL2230 Intro to Structural Concepts and Design **Assessment:** Assignments, mid semester exam, 3-hr final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

The objectives of this unit are to provide a basic understanding of the behaviour of reinforced concrete members and structures; to provide a basic understanding of standard methods of analysis and design of reinforced concrete behaviour (including an understanding of capabilities and limitations); and to provide basic design training in a simulated professional engineering environment.

At the end of this unit students will gain proficiency in basic methods of reinforced concrete analysis and design.

The syllabus comprises the behaviour of reinforced concrete members and structures, including: material properties, 'elastic' analysis (stresses/deformations/time-dependence), ultimate strengths of beams (flexure), ultimate strength of columns (short and slender), behaviour or reinforced concrete slabs. The reinforced concrete truss analogy (shear/torsion/and detailing implications). Design of typical elements of a reinforced concrete building, structural modelling, analysis of load-effects (incl.earthquakes), design criteria (for durability, fire-resistance, serviceability and strength), design calculation procedures, reinforcement detailing, structural drawings.

### CIVL3206

#### Steel Structures 1

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** Lectures: 39 hrs; tut/lab/drawing office: 39hrs, lab 6 hrs. **Prohibitions:** CIVL3227 **Assumed knowledge:** CIVL2110 Materials, CIVL2201 Structural Mechanics, CIVL2230 Intro to Structural Concepts and Design **Assessment:** Tutorial submissions, integrated design exercise, laboratory reports, mid-semester quiz, and end of semester examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

The objective of this unit is to provide a basic understanding of behaviour and design of steel members, connections and structures. At the end of this unit, students should be familiar with the behaviour of steel structures, in particular the various forms of buckling and failure, particularly those associated with tension, bending, shear, compression, combined actions and connections; have a working knowledge of AS 4100, and be competent in designing a simple structure to AS 4100.

The syllabus comprises the behaviour of steel members and structures - properties of cross-sections, local buckling, elastic beams, plastic beams, tension members, compression members, effective lengths and elastic in-plane frame buckling, local and lateral buckling of beams, in-plane bending of beam columns, lateral buckling of beam-columns, biaxial bending of beam-columns, bolted and welded connections.

#### Textbooks

G. J. Hancock, M. J. Clarke and T. J. Wilkinson Steel Structures 1 lecture notes, Dept of Civil Engineering, The University of Sydney  
Standards Australia Specification - current editions  
AS 1170 Parts 1 and 2 Loading Code, and  
AS 4100 Steel Structures; or  
AS HB2.2 Structural Engineering Standards for Civil Engineering Students (preferred alternative to above standards).  
(AISC) Economic Structural Steelwork  
Steel sections product literature  
Reference Books:  
AISC Design Capacity Tables for Structural Steel.  
Trahair and Bradford, Behaviour and Design of Steel Structures  
Internet resources will also be given

### CIVL3235

#### Structural Analysis

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** Lectures 52hrs; Tutorials 26hrs **Assumed knowledge:** CIVL2201 Structural Mechanics, CIVL2230 Intro to Structural Concepts and Design, MATH2061 Linear Mathematics and Vector Calculus **Assessment:** 4 quizzes, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

The objectives of this unit are to provide an understanding of the principles of structural analysis by introducing the strain-displacement, stress-strain and equilibrium relationships for beam members; applying the relationships to the matrix displacement analysis of frame structures; and using computer software to conduct the linear-elastic and buckling analyses of frame structures.

At the end of this unit, students will be able to deduce appropriate structural models for frame structures; and use computer methods and simple hand methods to obtain internal forces and displacements as well as buckling loads for frame structures.

The syllabus comprises theoretical background (strain-displacement, stress-strain and equilibrium relationships), structural analysis software, matrix displacement method, beam theory, introduction to nonlinear analysis, buckling analysis.

### CIVL3411

#### Foundation Engineering

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 x 1hr lectures per week 1 x 2hr tutorial session per week **Assumed knowledge:** CIVL2410 Soil Mechanics **Assessment:** 1 quiz, 2 assignments/projects, 1 lab report, final 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

The objectives of this unit are to provide an understanding of the factors influencing soil strength, and to give practice in the application of this understanding by exploring the stability of slopes, retaining walls and foundations. At the end of this unit students will be able to: determine the strength parameters appropriate to a range of stability problems, and understand the difference between total and effective stress approaches; evaluate strength parameters from laboratory data; critically analyse foundation stability and slope stability problems; use spreadsheets to perform parametric studies and produce design charts for simple geotechnical design problems; and communicate

the results of experiments and analyses using written methods appropriate for professional geotechnical engineers. The syllabus comprises; methods of analysis for gravity and sheet pile retaining walls; reinforced soil; slope stability, including modes of failure, analysis and computer methods; bearing capacity of shallow foundations under general loading, and axial and lateral capacities of deep pile foundations; the mechanical behaviour of sands and clays; the Cam Clay model and the breakage model.

#### Textbooks

(Reference Books)  
Tomlinson Foundation Design and Construction  
Peck et al Foundation Engineering  
Poulos and Davis Pile Foundation Analysis and Design  
Fleming et al Piling Engineering

### CIVL3612

#### Environmental & Fluids Eng: Viscous Flow Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 26 hours Lectures, 26 hours Tutorials, 2 hour laboratory experiments / assignments **Assumed knowledge:** ENGG1802 Engineering Mechanics, MATH2061 - Linear Mathematics and Vector Calculus, CIVL2201 - Structural Mechanics, CIVL2611 - Fluid Mechanics: Inviscid Flow **Assessment:** In-semester tests/project, Assignments, Laboratory reports, Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

The objectives of this unit of study are to develop an understanding of the underlying physics of fluid flows and their interaction with engineering structures. Viscous effects are typically important in fluid engineering applications. The resulting fluctuating forces are essential for understanding the process of analysis and design of structures. Dynamic loadings such as wind and waves vary with time and location. This unit of study provides an introduction to incompressible viscous fluid flow. We put CIVL2611 in context and assess when an inviscid model is inadequate. Basic theory and concepts of elementary viscous flows are introduced. Derivation of the Navier-Stokes equations and some exact solutions will be presented. Numerical solution techniques for viscous flow including finite difference approximations and turbulence models are further introduced. Boundary layer theory plays an important role in viscous flow calculations. Vorticity, separated/recirculating flows and vortex shedding are described and discussed in the context of a boundary layer model. Illustrations of the transition from laminar to turbulent flow are shown. In summary, the syllabus comprises theoretical, experimental and computational aspects of viscous flows in pipes, open channels and free-surface flows with reference to applications in ocean and wind engineering, river mechanics and aero-hydrodynamics applications. An important outcome of the course is to be able to demonstrate an understanding of the physics of fluid pressure and force distribution/fluctuations on structures and knowledge of the supporting theory. Classical experiments and corresponding report write-up training are an important component of this unit of study.

### CIVL3613

#### Ocean and Coastal Engineering

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 52 hours Lectures, 26 hours Tutorials **Assumed knowledge:** CIVL2611 - Fluid Mechanics: Inviscid Flow **Assessment:** Design Assignment, Tutorial Exercises, Quizzes, Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

The objectives of this unit of study are to develop an understanding of the physics of ocean waves at any water depth and its application to the analysis and design of marine structures. This unit of study introduces the governing equations for free surface flows, including linear and nonlinear wave theories, wave transformation physics and nearshore hydrodynamics modelling. Furthermore, this unit of study includes the calculation of wave forces based on deterministic and probabilistic wave theories, wave-induced coastal currents and sediments, wind-wave-structure interactions, tides, ocean engineering operational sea state, storm surges (due to cyclones and tsunamis) and various other environmental effects. Many marine structure design

applications are introduced, including jetties, harbours, breakwaters, bridge piers, dams, offshore platforms, turbines and other wind/wave energy devices. The major outcomes of this unit of study are (i) an understanding of wave physics at any water depth and the criteria for choosing the appropriate wave theory, and (ii) the ability to apply this understanding to the analysis and design of engineering marine structures. Although the unit has an analytical focus, the use of model scale, computational techniques and code of practice based design are also discussed.

### CIVL3805

#### Project Scope, Time and Cost Management Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 26 hours Lectures; 26 hours Tutorials **Prerequisites:** 36 Intermediate credit points **Prohibitions:** ECMT3640 **Assumed knowledge:** CIVL2810 - Engineering Construction and Surveying **Assessment:** Individual and Group Assignments, Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study is a second year core course for the Bachelor of Project Engineering & Management (Civil), third year elective for Civil Engineering degree, elective for all other branches of engineering and faculties. The general aim of this unit of study is to offer student the opportunity to develop an understanding of the scope, time and cost management in project environments. Student will engage with some of the key concepts and various activities which underpin project scope, time and cost management. At the end of this unit, students will be able to: develop Work Breakdown Structure (WBS), network diagrams, and undertake Critical Path Analysis (CPA) and Earned Value Analysis (EVA) using the given project information; explain in depth why scope, time and cost management are important to project management; analyze a project situation that involves scope, time and cost management issues; and explain how the components of scope, time and cost management interrelate in project environments. The syllabus comprises the project planning cycle, working with the project sponsor, scope initiation and definition, project scope definition tools, WBS, network scheduling techniques, CPA, Just-in-Time philosophy, estimating and budgeting, cash flow management, EVA and application of project management software.

### CIVL3812

#### Project Appraisal Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 26 hours Lectures, 26 hours Tutorials **Prohibitions:** CIVL4803 Engineering Management **Assumed knowledge:** MATH1005 - Statistics, CIVL3805 Project Scope, Time and Cost Management **Assessment:** Series of quizzes, Final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit of study is a third-year core unit for students enrolled in any of the undergraduate streams in the School of Civil Engineering and elective for all other branches of engineering and other faculties. The objectives of this unit of study are to develop students' ability to critically analyse issues involved in project appraisal and to equip students with the concepts, tools and analytical processes to effectively carry out project appraisal tasks for businesses, non-profit organisations, and governments. At the end of this unit, students should be able to comprehend and relate to real-life examples the fundamental concepts in project appraisal (e.g. the meaning of time value for money, equivalence); calculate common financial indicators for a given project and explain the relevance of each to the appraisal of the project; rank projects by combining both financial and non-financial indicators (e.g. environmental and social); understand how risks and uncertainties affect evaluation outcomes and be able to deal with uncertainties and risks in analysis; apply techniques to account for the effects of inflation/deflation and exchange rates in analysis; understand the concept and mechanisms for depreciation and carry out pre-tax as well as post-tax analysis; understand the assumptions, pros and cons of each evaluation method and be able to explain why a particular method is appropriate/not appropriate for a given project. The syllabus comprises time value of money, cost of

capital, simple/compound interest, nominal/effective interest, cost/benefit analysis of projects; equivalence, net present worth (value), future worth (value), annual worth (value), internal rate of return, external rate of return, payback period, cost-benefit analysis, cost-utility analysis, identifying and quantifying non-financial benefits/externalities, price changes and exchange rates, techniques for multi-criteria group decision-making, economic analysis of business investment projects, depreciation, capitalisation and valuation studies, replacement of assets, real option, project risk analysis, decision-tree analysis, binomial method, WACC, MARR, equity capital, debt.

#### Textbooks

W. G. Sullivan, E. M. Wicks and J. T. Luxhoj (2006) Engineering Economy. 13th ed, Pearson Education.

### CIVL3813

#### Contracts Formulation and Management Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 26 hours Lectures, 26 hours Tutorials **Prerequisites:** 36 Senior Credit Points **Prohibitions:** LAWS1002 **Assumed knowledge:** CIVL3805 Project Scope, Cost & Time Management **Assessment:** Mid Semester Exam, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

The objectives of this unit are to give students a fundamental knowledge of the legal system and contract terms under which projects are generally conducted. Emphasis will be on the principles of contract formulation, administration and finalisation, including prevention and/or settlement of disputes. At the end of this unit, students will have both legal and practical knowledge in the field of project management and contract administration, within a legal framework. The syllabus comprises brief overview of the legal system in Australia and comparison with other legal systems introduction to project delivery systems and the running of a typical project, introduction to contract law and the formation of contracts, the principles of standard form contracts as well as bespoke drafting, an understanding of the risks undertaken by the different contracting parties, a detailed review of a standard contract promoting an understanding of major project issues such as time, variations and payment; implementation and administration; potential liabilities associated with project participation; contract conditions and specifications; management of claims for variations and extensions of time; notification requirements including time bar, understanding the commercial significance of issues such as latent conditions, subcontracting, bank guarantees and security of payment legislation.

### CIVL4008

#### Practical Experience Engineering and Information Technologies

**Session:** Semester 1 **Classes:** 12wks practical work experience (420hrs minimum) **Prerequisites:** 30 credit points of third year courses **Assessment:** A written report, employers certificate. **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B E.

This is a fourth year core unit of study for the degree in Civil Engineering and Project Engineering and Management (Civil).

The objectives of this unit are to expose students to Engineering Practice and provide working experience in the field of engineering.

At the end of this unit, students will gain first hand experience of working in an Engineering environment, will see how engineering companies are organised and will be exposed to problem solving in a commercial environment.

The syllabus requires each student to work as an employee of an approved engineering organisation and to submit a satisfactory written report of his or her work. Normally 12 weeks of practical work experience (420 hours minimum) is required and this is generally undertaken after the completion of the prescribed third year core courses and before enrolment in the final year of study. The University Careers and Appointments Service is available to assist students to obtain suitable employment.

#### Textbooks



Reference book - Eagleson Writing in Plain English (Aust. Govt Publishing Service)

## CIVL4022

### Honours Thesis A Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Weekly contact with supervisor - typically 1 hour per week **Prerequisites:** 30 credit points of Senior Units of Study, GWAM 65 or over **Assessment:** Literature Review, Plan and Progress Report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study provides an opportunity for students to conduct an original investigation or research in a discipline relevant to civil engineering. Students will gain skills in design, analysis and management by undertaking a research project.

This particular unit of study, which must precede Thesis CIVL4023 - Honours Thesis 2, should cover approximately half the work required for successful completion of a complete 'final year' thesis project. In particular, it should include almost all planning of a research or investigation project, a major proportion of the necessary literature review (unless the entire project is based on a literature review and critical analysis), and a significant proportion of the experimental or analytical work required of the project.

## CIVL4023

### Honours Thesis B Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Weekly contact with supervisor - typically 1 hour per week **Prerequisites:** 30 credit points of Senior units of study and successful completion of CIVL4022 - Honours Thesis A **Assessment:** Oral Presentation, Poster Presentation, Final Thesis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study provides an opportunity for students to conduct an original investigation or research or major project work in a discipline relevant to civil engineering. Students will gain skills in design, analysis and management by undertaking a research project.

This particular unit of study, which must be preceded by or be conducted concurrently with CIVL4022 - Honours Thesis 1, should cover approximately half the work required for successful completion of a complete 'final year' thesis project. In particular, it should include completion of all components of the research or investigation project planned but not undertaken or completed in CIVL4022 - Honours Thesis 1.

## CIVL4024

### Engineering Project A Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Weekly contact with Supervisor - typically 1 hour per week **Prerequisites:** 30 Credit Points of Senior Units of Study **Assessment:** Literature Review, Plan and Progress Report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study provides an opportunity for students to conduct an original investigation or research or major project work in a discipline relevant to civil engineering. Students will gain skills in design, analysis and management by undertaking a research project.

This particular unit of study, which must precede or be conducted concurrently with CIVL4025 - Engineering Project B, should cover approximately half the work required for successful completion of a complete 'final year' thesis project. In particular, it should include almost all planning of a research or investigation project, a major proportion of the necessary literature review (unless the entire project

is based on a literature review and critical analysis), and a significant proportion of the experimental or analytical work required of the project.

## CIVL4025

### Engineering Project B Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** 30 Credit Points of Senior Units of Study and successful completion of CIVL4024 Engineering Project A **Assessment:** Oral Presentation, Poster Presentation, Final Project Report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

*Note: Weekly contact with supervisor - typically 1 hour per week*

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study provides an opportunity for students to conduct an original investigation or research or major project work in a discipline relevant to civil engineering. Students will gain skills in design, analysis and management by undertaking a research project.

This particular unit of study, which must be preceded by or be conducted concurrently with CIVL4024 - Engineering Project A, should cover approximately half the work required for successful completion of a complete 'final year' thesis project. In particular, it should include completion of all components of the research or investigation project planned but not undertaken or completed in CIVL4024 - Engineering Project A.

## CIVL4240

### Concrete Structures 2 Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** Lecturers 40hrs; 20 laboratory/tutorials **Prerequisites:** CIVL3205 Concrete Structures 1 **Assumed knowledge:** ENGG1802 Engineering Mechanics; CIVL2201 Structural Mechanics; CIVL3235 Structural Analysis **Assessment:** Assignments, quizzes, 2 hr final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

The objectives of this unit are to develop a deep understanding of the fundamental behaviour and design of reinforced and prestressed concrete and concrete-steel composite members and structures. By the end of this unit, students will develop sufficient understanding of fundamental concepts and acquire sufficient knowledge and skills to assess strain-softening effects in concrete structures, the effects of prestressing and the effects of interaction of composite materials. Students will be able to apply the relevant design requirements, in accordance with Australian design standards.

## CIVL4241

### Steel Structures 2 Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hours of lectures per week. 2 hours of tutorials per week where students work on practical problems and assignments. 2 computer laboratory sessions per semester. **Assumed knowledge:** CIVL2201 Structural Mechanics, CIVL3235 Structural Analysis, CIVL3206 Steel Structures 1 **Assessment:** Assignment; final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

The primary objectives of this unit are to provide fundamental understanding at advanced level of behaviour and design steel members and connections; to provide fundamental understanding of methods for determining buckling loads of structural members and elements; and to reinforce and complement the content of related units of study. Emphasis will be placed on understanding structural behaviour and solving problems rather than remembering formulae.

At the end of this unit, it is anticipated that students should be familiar with the behaviour of steel structures at advanced level in selected areas, including connection design, design for local buckling and design for flexural-torsional buckling of columns and beams. Have a sound knowledge of AS 4100 in the areas of connection design, section capacity determination of slender cross-sections, and flexural-torsional buckling of beams. Have a sound knowledge of

AS/NZS 4600 in the areas of section capacity determination of slender cross-sections, and flexural-torsional buckling of columns and beams. Have knowledge of the use of software in the design of connections and slender cross-sections. The unit of study seeks to utilise and improve the following generic skills of students: problem solving, neat and logical setting out of solutions, and interpretation and understanding of technical drawings and specifications.

The syllabus comprises local buckling behaviour and design; stability behaviour and design including flexural-torsional buckling behaviour; advanced connections - behaviour, analysis and design.

#### CIVL4412

##### Geotechnical Engineering

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** Lecture 39hrs; Tutorial 13hrs  
**Assumed knowledge:** CIVL2410 Soil Mechanics; CIVL3411 Foundation Engineering **Assessment:** Quizzes, assignments, 2 hours final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

The objective of this unit is to teach students practical design skills through problem based learning. Students are asked to design foundations using real data for foundation problems. It also develops communication skills through the writing of engineering reports.

At the end of this unit, students should gain an understanding of the design process in foundation engineering; the role of site investigation and field-testing; the need to deal with uncertainty. In particular, they should develop the ability to interpret the results of a site investigation; to use laboratory and field data to design simple foundations, and develop an appreciation of the interaction between soils, the foundation system and the supported structure.

The syllabus comprises field testing; site characterisation; interpretation of field data; design of pile, raft and surface footings; support of excavations, soil improvement; Geotechnical report writing.

#### CIVL4413

##### Environmental Geotechnics

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** Lectures 39hrs; Tutorials 13hrs **Assumed knowledge:** CIVL2410 Soil Mechanics, CIVL3411 Foundation Engineering **Assessment:** Assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

The objective of this unit is to provide an introduction to Geo-environmental Engineering. It gives an introduction to geotechnical and related problems concerned with the disposal of wastes in landfills and mine tailings impoundments, and to the analytical and numerical techniques available to solve these problems.

At the end of this unit, the student will be able to describe and evaluate the different strategies available for landfill management and waste containment, understand the processes controlling contaminant migration, calculate rates of contaminant migration through the ground using analytical and numerical methods, design effective barriers for waste containment on flat and sloping ground, select appropriate geomembrane and geotextile materials for use in engineered barriers, understand issues related to tailing dams, and carry out basic design work.

The syllabus comprises landfills, waste quantities and composition, waste management, processes occurring in waste, Leachate control, site selection, processes controlling pollutant migration through soil, advection, diffusion, dispersion, sorption, mathematical description of pollutant migration, analytical solutions for pollutant migration, numerical solutions for pollutant migration, technologies for remediation of contaminated ground, engineered clay liners, barriers and covers, clay mineralogy and properties, compaction-permeability relations, barrier systems, stability of liners and slopes, geosynthetics in waste containment, geomembranes, geofilters, composite barrier systems, tailings disposal properties of hazardous wastes, dispersive soils. Disposal techniques, embankment design, filters, seepage barriers, operational control and rehabilitation.

#### CIVL4414

##### Finite Element Analysis

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** Lectures 26hrs; tutorials 26hrs  
**Prerequisites:** ENGG1802 Engineering Mechanics, CIVL2201 Structural Mechanics **Assessment:** 5 project submissions, 2 large quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

The objectives of this unit are to provide an opportunity for students to develop an understanding of finite element analysis and how to apply this to the solution of civil engineering problems.

At the end of this unit, students should acquire knowledge of methods of formulating finite element equations, basic element types, the use of finite element methods for solving problems in structural, geotechnical and continuum analysis and the use of finite element software packages.

The syllabus comprises introduction to finite element theory, analysis of bars, beams and columns, and assemblages of these structural elements; analysis of elastic continua; problems of plane strain, plane stress and axial symmetry; use, testing and validation of finite element software packages.

#### CIVL4614

##### Flow-Induced Vibrations

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 36 Lectures; 36 Tutorials; 6 Laboratory, 3 site visit **Assumed knowledge:** CIVL2611 Fluid Mechanics: Inviscid Flow, CIVL3612 Environmental Fluids Engineering: Viscous Flow, CIVL2230 Introduction to Structural Concepts and Design, CIVL3235 Structural Analysis **Assessment:** In-semester tests, Assignments, Project, Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

Large civil engineering structures and structural components are subjected to dynamic environmental loadings. This unit of study focuses on the understanding of hydro- and aerodynamics to analyse and design against wave and/or wind loading on tall buildings, long-span bridges, chimneys, offshore structures, etc. Wave and wind loading are highly nonlinear and usually a detailed mathematical model is necessary. We will through structural dynamics theory and examples decide whether static or dynamic models are appropriate. Furthermore, nonlinear vibration effects are introduced through the description of concepts such as negative damping leading into the topic of vortex-induced vibrations. Having learnt about the loadings which may cause undesirable structural vibrations, methods for suppressing unwanted vibrations are introduced.

The fundamental aim of this course is to be able to design engineering structures using approximate models for analytical dynamic response estimates. A further aim is to understand the importance of the interaction between dynamic loads and structural response, especially the interaction between unsteady fluid dynamics and structural response. Although the course has an analytical focus, the use of model scale, computational techniques and code of practice based design are also discussed.

#### CIVL4615

##### Water Resources and Hydrology

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 52 hours - comprises of lectures, tutorials, laboratories, etc. **Assumed knowledge:** ENGG1802 - Engineering Mechanics, MATH2061 - Linear Mathematics and Vector Calculus, CIVL2611 - Fluid Mechanics: Inviscid Flow, CIVL3612 - Environmental and Fluid Engineering: Viscous Flow **Assessment:** 2 Quizzes, 10 Tutorials, 3 hours Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study covers the basic aspects of water resources and hydrology. The water resources engineering component is separated into two parts: 1. Physical processes in water supplies and discharges, and 2. supply, management, and treatment of water resources. The hydrology component covers: Infiltration and groundwater; evaporation

and transpiration; surface runoff; synthetic hydrographs; flood routing and reservoir design. The unit of study builds on the theory and concepts learnt in CIVL2611 Fluid Mechanics: Inviscid Flow and CIVL3612 Environmental and Fluid Engineering: Viscous Flow.

This unit of study aims to provide an understanding of: reservoir and lake dynamics, dispersion in rivers and the coastal ocean, water supply networks and systems, conservation and management of water resources, wastewater reuse and applications, indicators of water quality, water treatment methods, water treatment plants; surface runoff assessment, calculation of peak flows, hydrographs for various storm durations and intensities, flood routing calculations, design procedures for storage and service reservoirs; reservoir safe yield; and evaporation from reservoirs and evapo-transpiration from catchments.

#### CIVL4810

##### **Mgmt of People, Quality and Risk in PE Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 26 hours Lectures; 26 hours Tutorials **Assumed knowledge:** CIVL3805 Project Scope, Time and Cost Management **Assessment:** 2 Assignments 25% in total, Mid Semester Exam 20%, Final Exam 50%, Attendance 5% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study is a fourth year core unit of study for the Bachelor of Project Engineering & Management (Civil), elective for all other branches of engineering and other faculties. The objectives of this unit are to provide underpinning knowledge and application skills in the project environment for quality, risk and people management. At the end of this unit, students will be able to understand the dynamics of team building and management, conflict resolution processes and techniques, project leadership; and, be able to design and implement plans for quality and risk management on a range of simple generic projects and provide input to these plans for more complex projects. The syllabus comprises team management, conflict resolution and project leadership; modern quality management principles and techniques, quality assurance, preparation of quality plans; risk analysis, planning and risk management throughout a project's life cycle.

##### *Textbooks*

Harold Kerzner, Project Management - Systems Approach to Planning, Scheduling, and Controlling, 9th Ed. (2006), Johns Wiley: New Jersey.

#### CIVL4811

##### **Engineering Design and Construction Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Programmed 39hrs; 26hrs tutorial/workshop; Non program: 12 hrs case study assignment work, 4 hrs voluntary course review **Prohibitions:** CIVL3802 Engineering Construction 2 **Assumed knowledge:** CIVL2810 Engineering Construction and Survey **Assessment:** Design assignments may be submitted; case study assignment (students must submit a case study assignment to pass the course); mid semester exam, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

The objectives of this unit are to develop an understanding of construction methods, strategies, equipment and machinery in a range of construction activities and an understanding of the principles involved in the design for those construction activities.

At the end of this unit, students will have developed a familiarity with a variety of construction methods, strategies, equipment and machinery in a range of construction activities such that they will be able, if and when the opportunity arises to participate as site engineers (or similar role) in the planning and execution of those construction activities, albeit with supervision and guidance from experienced professionals. Students will also have developed an understanding of the design principles and techniques involved in the planning for those construction activities such that they are able, if and when the opportunity arises, to participate as design engineers, in the planning and design for those construction activities, with supervision and guidance from experienced professionals. The range of topics covered

in this course is such that the learning outcomes form a basis for later development of more detailed knowledge, dependent on the future career experiences of the student. The course does not prepare a student for immediate, unsupervised participation in construction and design work associated with the topics covered.

The construction topics covered in this course have not been previously addressed in CIVL2810 (Engineering Construction and Survey). The topics may vary dependent on current and planned projects in Sydney, NSW and Australia. At this stage the topics are hard rock tunnelling and general hard rock underground excavation; soft ground tunnelling; underground construction; micro tunnelling; cut and cover (cover and cut) tunnelling; earth retaining systems; piling; formwork and falsework (incl Tilt up, Ultrafloor, Sacrificial form); dewatering; pavement design and construction - rigid and flexible (incl and pavement construction materials); stormwater drainage design and construction; marine construction; civil construction in environmentally sensitive areas; contract administration for construction engineers; general engineering in remote localities (project based); construction methods in bridge engineering; QA documentation on a typical project; insurance in the construction industry occupational health and safety issues in the construction industry.

#### CIVL4814

##### **Project Procurement and Tendering Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 26 hours Lectures, 26 hours Tutorials **Assumed knowledge:** CIVL2810 Engineering Construction and Surveying, CIVL3805 Project Scope, Time and Cost Management **Assessment:** Online quizzes, Group Reports and Presentations, Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study is a fourth year core unit of study for the Bachelor of Project Engineering and Management (Civil), elective for all other branches of engineering and other faculties. The general aim of this unit is to offer student the opportunity to develop an understanding of the procurement of built facilities and the methods of job allocation in project environments. Student will engage with some of the key concepts which underpin job allocations in the construction industry. At the end of this unit of study, students should be able to: evaluate a client's procurement situation and apply an appropriate procurement route; explain how and why a particular procurement route is chosen; undertake procurement assessment exercises; analyze a contractor's strategic responses in tendering (bidding) decision-making; discuss why a particular bidding strategy is chosen in different contexts; and evaluate a contractor's bidding performance using competitor analysis techniques. The syllabus comprises fundamentals of building procurement, assessment of procurement risks, international contracting, competitive bidding, cost estimating, the competitive environment in the construction industry, contractors' competitive positioning, contractors' decision-making in bidding competition, bidding strategies and competitor analysis.

#### CIVL4815

##### **Project Formulation Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 26 hours Lectures, 26 hours Tutorials **Prerequisites:** CIVL3805 Project Scope, Time and Cost Management, CIVL3812 Project Appraisal **Assessment:** Series of team assignments, Presentations moderated by peer evaluations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study is a fourth-year core unit for PEM students and an elective for all other branches of engineering and other faculties. The objective of this unit is, through the integration of areas of project management knowledge learned in various PEM subjects, to develop students' ability to develop project proposals through carrying out a feasibility study and developing a project plan for a real-life engineering project. This unit is relevant for students who intend to pursue a career related to project management. At the end of this unit, students should have developed understanding of the fundamentals of project conceptualisation, appraisal and planning plus the abilities to: model

and analyse basic financing and cash flow requirements; develop risk management plan, marketing and sales plan, stakeholder management and communication plan, operations plan; and design professional documentation and presentation to a board of review. In addition, this unit also develops students' abilities in problem solving, working with other students, conducting independent research, communication in team environment, information need identification and collection, and understanding social and environmental issues. The syllabus comprises feasibility study, project appraisal, risk assessment and management, sensitivity analysis, project planning, project integration management, carbon-trading scheme, global warming, environmental impact assessment, investment capital, venture capital, due diligence, project planning, operational planning, revenue projection, community consultation, communication management, stakeholder management, political environment.

#### CIVL4903

##### Civil Engineering Design

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 13hrs lec and 39hrs of drawing office work **Assumed knowledge:** CIVL3205 Concrete Structures 1 and CIVL3206 Steel Structures 1. **Assessment:** Final examination and a series of assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This is a fourth year core unit of study for the degree in Civil Engineering and fourth year elective for the degree in Project Engineering and Management (Civil).

The objective of this unit is to give students an appreciation of the role of the designer in the development of Civil Engineering projects.

At the end of this unit, students will have developed an understanding of the design philosophy. They will gain this through their involvement in a number of exercises which cover the design sequence from concept to documentation.

The syllabus comprises: design sequence including definition, value and criteria selection; generation of proposals; analysis of proposals; selection of design; development of details of a particular design selected; feasibility studies and examination of existing works; study of design projects by stages, including details of some aspects.

This unit is under the direction of an engineer in professional practice in cooperation with members of the academic staff. Lectures and exercises on architectural design and practice and their relationship to civil engineering are included in the unit.

##### Textbooks

##### Reference books

The unit is of a wide-ranging nature, and all text and reference books previous and current courses have relevance. In addition, reference will be made to many codes and guides to practice, of which the following list covers only the structural field:

Current SAA Codes, Manuals and Specifications, particularly

AS4100 - Steel Structures Code

AS3600 - Concrete Structures Code

AS1554 - Manual Welding, Part I

AS1170 - Loading Code, Parts I and II

AS1511 - High Strength Structural Bolting Code

MAI Steel Structures

Austrroads Bridge Design Specification

AS1720 - Timber Engineering Code

(Purchase of separate codes is recommended)

#### CLAW1001

##### Commercial Transactions A

##### Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2, Summer Early **Classes:** 2hrs of lectures and 1 tutorial per week **Assessment:** Exam, Mid-Semester Test, Tutorial Assessment, Case Analysis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A S, B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, B Res Ec, UG Study Abroad Program, UG Summer/Winter School.

This unit of study is concerned with the fundamental elements of business law. It commences with an overview of the Australian legal system (sources of law, parliament, courts, statutory interpretation,

doctrine of precedent), including an examination of those provisions in the Commonwealth Constitution relevant to business and commercial activities. The unit continues with a detailed study of those aspects of the law of contract that underlie all commercial transactions and are the essence of commercial law (formation of contract, terms of a contract, factors affecting the validity and enforcement of contracts, termination, remedies for breach of contract). Some aspects of the law of agency, criminal law and the law of torts (in particular, negligence and negligent misstatement) are introduced. The unit concludes with an examination of some of the key provisions of the Trade Practices Act 1974 (Cth) including those relating to misleading and deceptive conduct and manufacturers' liability.

#### CLAW1551

##### Commercial Law Exchange

##### Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

#### CLAW2201

##### Corporations Law

##### Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 2hrs of lectures and 1 tutorial per week **Prerequisites:** Any 4 full semester first year units of study including CLAW1001 **Prohibitions:** CLAW2001 **Assessment:** Class participation, Take home assignment, Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A S, B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Res Ec, UG Study Abroad Program.

This unit begins with a brief comparison of business entities, especially partnership. The concept and process of incorporation are examined. Company finance, both equity and debt finance, and the maintenance of the company's share capital will be studied as well as the topics of accounts, auditors, and companies in financial difficulty. The management of companies and directors' duties will be explored as well as the rights and remedies of company shareholders. Company takeovers, prospectus provisions and securities regulation are studied in depth in the elective, CLAW2203 Stock Markets and Derivatives Law.

#### CLAW2202

##### Bankruptcy and Insolvency

##### Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three hours of classes per week which may include one or more of the following: lectures; seminars; tutorials or workshops **Prerequisites:** CLAW2201 or CLAW2001 **Prohibitions:** CLAW2002 **Assessment:** Test, Assignment, Tutorial Work, Final Exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A S, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

This unit is concerned with the law relating to the bankruptcy of individuals and corporate insolvency. In relation to bankruptcy, it explores the mechanisms by which formal bankruptcy may occur and, the role of the trustee and creditors. It goes on to examine arrangements with creditors outside formal bankruptcy (debt agreements, personal insolvency agreements). In the case of corporate insolvency the areas examined include receivers and other controllers, voluntary administration and deeds of company arrangement, schemes of arrangement and winding up. Other issues discussed include group insolvency and cross border insolvency.

#### CLAW2203

##### Stock Markets and Derivatives Law

##### Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three hours of classes per week which may include one or more of the following: lectures; seminars; tutorials or workshops **Prerequisites:** CLAW2201 or CLAW2001 **Prohibitions:**

**CLAW2003** **Assessment:** Assignment; Tutorial work and participation; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A S, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

This unit begins with a study of the powers of the Australian Securities and Investment Commission with reference to recent ASIC investigations. The functions of the Australian Stock Exchange and those of securities dealers and investment advisers are examined as well as the relationship between broker and client. The market offences of market manipulation and insider trading are explored. Public funding of companies and prospectus provisions are studied along with the liability of officers and independent experts concerning the prospectus. The topic of mergers and acquisitions examines acquisitions, relevant interests, takeover schemes and announcements, and the liability of parties to a takeover. Derivatives will also be studied.

#### **CLAW2204**

##### **Banking and Finance Law Economics and Business**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three hours of classes per week which may include one or more of the following: lectures; seminars; tutorials or workshops **Prerequisites:** CLAW1001 **Prohibitions:** CLAW2004 **Assessment:** Tests; Assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A S, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

Students are introduced to the regulatory structure and its impact on banking practice. The relationship between banker and customer and the duties of the parties are analysed. Issues relating to risk management and abuse of banking and financial transactions are discussed. Payment instruments such as bills of exchange, cheques and letters of credit are also examined. Students will become familiar with the legal structure, relationships and liabilities of parties in syndicated lending and securitisation.

#### **CLAW2205**

##### **Trade Practices and Consumer Law Economics and Business**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three hours of classes per week which may include one or more of the following: lectures; seminars; tutorials or workshops **Prerequisites:** CLAW1001 **Prohibitions:** CLAW2005, CLAW3005, MKTG3005 **Assessment:** Test; Assignment; Tutorial work; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A S, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

This unit is concerned with the provisions in the Trade Practices Act 1974 (Cwth) dealing with restrictive trade practices, unconscionable conduct and consumer protection. Topics to be studied in depth include: anti-competitive agreements, misuse of market power, exclusive dealing, resale price maintenance, mergers and acquisitions, misleading or deceptive conduct, unfair practices, product safety and product information, conditions and warranties in consumer transactions, liability of manufacturers and importers and unconscionable conduct. Comparable state legislation is also studied.

#### **CLAW2207**

##### **Legal Ethics and the Professions Economics and Business**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three hours of classes per week which may include one or more of the following: lectures; seminars; tutorials or workshops **Prerequisites:** CLAW1001 **Prohibitions:** CLAW2007 **Assessment:** Research Paper, Class work, Examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A S, B Agr Ec, B C S T, B Com, B E, B Ec, B Ec Soc Sc, B I T, B Res Ec, UG Study Abroad Program.

This unit begins with an analysis of three major ethical philosophies: utilitarianism, duty based ethics and virtue ethics. Practical models based upon these philosophies will be studied here and applied throughout the unit. The significance of ethics to the major professions in the business world is the primary focus of this unit of study. Case

studies will be used to examine the consequences for the stakeholders (those affected directly and indirectly) of decisions made by professionals. The professions studied include: accountants, auditors, business information system managers, lawyers, company officers such as directors and other executives, and marketing managers. The unit aims to assist students understand and apply ethics to their future professional life.

#### **CLAW2551**

##### **Commercial Law Exchange Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc.

#### **CLAW2552**

##### **Commercial Law Exchange Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc.

#### **CLAW2553**

##### **Commercial Law Exchange Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc.

#### **CLAW3101**

##### **Commercial Law Exchange Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A S, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T.

#### **CLAW3102**

##### **Commercial Law Exchange Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A S, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

#### **CLAW3201**

##### **Australian Taxation System Economics and Business**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 2hrs of lectures and 1 tutorial per week **Prerequisites:** CLAW2201 or CLAW2001 **Prohibitions:** CLAW3001 **Assessment:** Tutorial assessment; Mid semester test; Case Analysis; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A S, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

This unit is an introduction to taxation law. It commences with an overview of the Australian tax system, discusses contemporary tax issues and then deals with specific topics, viz. basis of liability to Australian income tax, concepts of residence and source of income, meaning of income, tax accounting, statutory concepts of income, taxation of fringe benefits, basis of liability to capital gains tax and

allowable deductions. It concludes with a study of the general antiavoidance sections.

### CLAW3202

#### Tax Strategies in a Business Environment Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three hours of classes per week which may include one or more of the following: lectures; seminars; tutorials or workshops **Prerequisites:** CLAW3201 or CLAW3001 **Prohibitions:** CLAW3002 **Assessment:** Tutorial questions, group essay and presentation, and final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A S, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

This unit deals with taxation issues in a business environment. In addition to income tax, the Goods and Services Tax is studied. The following topics are included: trading stock, capital allowances, taxation of partnerships and trusts including the application of capital gains tax to interests in these entities, carry forward of losses, taxation of companies, dividend imputation tax, capital gains tax application to shares and other interests in companies, intellectual property, collection of income tax instalments, amendment of assessments, objections and appeals, taxation of non-residents, withholding tax, foreign tax credits, international tax treaties, profit shifting and tax avoidance. The unit emphasises business tax planning issues.

### CLAW4101

#### Commercial Law Honours A Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Classes:** By seminar as arranged **Prerequisites:** By Application- Contact honours coordinator **Assessment:** May include seminar participation; seminar paper; case analysis; research paper; take home examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Requirements for the Pass degree must be completed before entry to level 4000 honours units of study*

**Associated degrees:** B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec (Soc Sc)(Hons).

Honours study is directed at: (i) increasing students' analytical/research skills beyond the level acquired in undergraduate pass level units; (ii) providing a foundation for the conduct of applied research in business law; and (iii) conducting research in the form of a thesis. These skills are developed through the completion of an additional (fourth) year of study.

The Business Law Honours Program consists of two components: the course work component and the writing of a thesis. The course work component is conducted in the form of a reading seminar series covering common key issues in commercial, corporations and taxation law, supported by an intensive training program in legal research and important skills in managing a large research project. The course work component will provide a good foundation for students to undertake independent research on their thesis.

### CLAW4102

#### Commercial Law Honours B Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** CLAW4101 **Assessment:** see CLAW4101 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec (Soc Sc)(Hons).

This unit of study is part of the Honours program in Business Law. The unit covers commercial law issues and forms part of the course work component as described in CLAW4101 above.

### CLAW4103

#### Commercial Law Honours C Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** CLAW4102 **Assessment:** see CLAW4101 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec (Soc Sc)(Hons).

This unit of study is part of the Business Law Honours program. The unit covers corporations law issues and forms part of the course work component as described in CLAW4101 above.

### CLAW4104

#### Commercial Law Honours D Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** CLAW4103 **Assessment:** see CLAW4101 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec (Soc Sc)(Hons).

This unit of study is part of the Business Law Honours program. The unit covers taxation law issues and forms part of the course work component as described in CLAW4101 above.

### CLAW9001

#### Commercial Law Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

### CLAW9002

#### Commercial Law Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

### CLAW9003

#### Commercial Law Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

### CLAW9004

#### Commercial Law Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

### CLCV1801

#### Classical Civilisation Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Arts.

### CLCV1802

#### Classical Civilisation Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Arts.

**CLIN3001****High Acuity Nursing  
Nursing and Midwifery**

**Credit points:** 8 **Session:** Semester 1 **Classes:** lectures, tutorials, clinical laboratory sessions, clinical placements and a formal assessment of clinical performance. **Prerequisites:** Prerequisite: All Year 1 and Year 2 units of study (additional prerequisites to be advised). **Assessment:** research roundtable activity, essay, exam, clinical performance appraisal (cpa), off-campus clinical performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B N, B N (I A H), B N, B A, B N, B Sc, UG Study Abroad Program.

This unit will build on the understanding of nursing practice from preceding units, in addressing specific nursing practices that are designed to meet the needs of individuals and families who experience a serious or critical acute health crisis. The unit will use a thematic approach based on the physiological disruption being faced by the individual and the effect on physical, psychological and social functioning by the individual. Physiological impact on multiple body systems is complicated by the rapid onset and uncertain outcomes of critical illness. This unit revisits the integration of digestive, distributive, eliminative and control mechanisms in the body and considers these further within the breadth of the patient's experience in a high acuity area of a hospital. The pathophysiological deviation of disease, natural compensatory responses and specific biomedical interventions will be explored. The technical possibilities of high acuity environments will be explored, as will psychological responses to the high acuity environment. This unit will provide the opportunity for students to explore the management of patients who require advanced nursing care and interventions for their serious or critical illness.

**CLIN3002****Inquiry and Research in Nursing  
Nursing and Midwifery**

**Credit points:** 8 **Session:** Semester 2 **Classes:** study days **Prerequisites:** All Year 1 and Year 2 units of study, CLIN3001, FCNU3001 (additional prerequisites to be advised). **Assessment:** Research proposal, exam and online quiz **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B N, B N (I A H), B N, B A, B N, B Sc, UG Study Abroad Program.

This unit of study builds on the tenet throughout the course that research is integral to all aspects of nursing theory, education, application and practice. Students will be encouraged to broaden their understanding of research application to nursing and to examine various ways of knowing that encompass not only qualitative and quantitative methodology but also the esoteric. A critical analysis of various modes of inquiry will be used to investigate aspects of nursing practice and issues pertinent to nursing. A variety of perspectives, methodologies and methods that constitute modes of inquiry will be included. This unit will assist students to develop research knowledge and prepare them for future research activities.

**CLIN3004****Masculinities and Men's Health Nursing  
Nursing and Midwifery**

**Credit points:** 8 **Session:** Semester 1 **Classes:** lectures, tutorials and seminar activities. **Prerequisites:** All Year One and Year Two units of study. **Assessment:** book review, tutorial presentation, essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B N, B N, B A, B N, B Sc, UG Study Abroad Program.

This unit focuses on men, masculinities and gender politics. By examining men's bodies and bodily practices and social structures such as gender, class, race, religion and sexuality, patterns of men's health problems can be identified. Issues such as sport, work, violence, and sexual practices will be examined in light of multiple competing masculinities, power relations and men's bodies. The unit will draw on and extend the knowledge gained in previous units addressing the social context, politics and subjectivity of health care and illness. Contemporary films and literature will be used to examine male identity and the contradictory nature of the construction and contestation of

masculinities and the implications it has for men's bodies, as agents and objects, and men's health and illness. This unit uses a gendered approach to link the biomedical with the social, in identifying Australian men's health and illness as a product of the diverse practices of masculinity.

**CLIN3006****Nursing Critically Ill Patients  
Nursing and Midwifery**

**Credit points:** 8 **Session:** Semester 2 **Classes:** lectures, tutorials and seminar activities. **Prerequisites:** All Year 1 and Year 2 units of study, CLIN3001, FCNU3001 (additional prerequisites to be advised). **Assessment:** essay, exam, off-campus clinical performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B N, B N, B A, B N, B Sc.

This unit of study provides the opportunity for students to examine the theoretical and professional aspects of critical care nursing practice. The unit will build from the work of High Acuity Nursing to specifically focus on nursing practices for patients with an increased dependence on nursing support in a critical care environment. This unit will foster the development of specific knowledge, skills, and attitudes that will enable you to meet the needs of the critically ill patient. The legal and ethical constraints and frameworks in which critical care nursing practice is conducted will be explored. A period of clinical education within an appropriate critical care setting is also included.

**CLIN3020****Human Biology  
Nursing and Midwifery**

**Credit points:** 6 **Session:** S1 Intensive, S2 Late Int **Classes:** online **Assessment:** online tests and exam **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

*Note: Department permission required for enrolment.*

**Associated degrees:** B N, Nursing UG Non Degree, UG Study Abroad Program.

This unit of study is designed to achieve a familiarity with basic concepts of anatomy and physiology and is offered to students wishing to enrol in the Master of Nursing (Graduate Entry) who have previously not completed tertiary studies in Human Biology. The unit aims to expand students' knowledge of anatomy and physiology and to encourage students to develop a framework within which to investigate the anatomy and physiology underpinning clinical situations. All major body systems are reviewed in the following sequence, their integration via neuro-hormonal control is a major focus: physiology of oxygenation, metabolism, elimination, support and movement, reproduction and neuro-hormonal regulation.

**CLIN3021****Nursing, Knowledge and Practice  
Nursing and Midwifery**

**Credit points:** 6 **Session:** Semester 1 **Classes:** normal day or on-line **Assessment:** essay, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

**Associated degrees:** B N, UG Study Abroad Program.

This unit of study examines the historical background to, and current debates surrounding, how nurses have established their knowledge and practice. In addition to examining the historical records in relation to nursing as a discrete area of knowledge and practice in health care, this unit of study analyses and critiques current trends, ethical considerations, and discourses in nursing and how they impact on understandings of the nature of nursing knowledge and contemporary practice(s).

**CLIN4005****Nursing Indigenous Australian People  
Nursing and Midwifery**

**Credit points:** 8 **Session:** Semester 2 **Classes:** seminars **Assessment:** problem based learning exercises, clinical assessment, clinical portfolio **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B N (I A H).

This senior unit of study will focus on the contemporary nursing practices and delivery of primary health care for Indigenous Australian peoples. Understanding of the nature of Indigenous illness health issues raised by Aboriginal people and how best to ensure appropriate nursing care is the primary focus of this unit. The relationship between Aboriginal communities and the health and well being of individual community members will also be discussed. This unit involves a period of clinical education and assessment of clinical performance as well as the completion of a minor thesis.

### CLNU3020

#### Clinical Experience 1

#### Nursing and Midwifery

**Session:** Semester 1 **Classes:** The unit will consist of two hours of on-campus nursing laboratory-based learning experiences per week (22 hours total) plus three weeks of supervised off-campus clinical experience in an acute care setting. **Assessment:** assignments, clinical placement assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

*Note: Department permission required for enrolment.*

**Associated degrees:** B N.

The aim of this unit of study is to consolidate and extend experiences in clinical nursing practice for selected students undertaking their final year of study in the Bachelor of Nursing course. It is intended for those students who require recent clinical experience prior to registration with the New South Wales Nurses Registration Board in order to ensure competence and public safety.

### CLNU3021

#### Clinical Experience 2

#### Nursing and Midwifery

**Session:** Semester 2 **Classes:** The unit will consist of 18 hours of on-campus nursing laboratory-based learning experiences; four hours of guided learning; and four weeks of supervised off-campus clinical experience. **Assessment:** clinical placement assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

*Note: Department permission required for enrolment.*

**Associated degrees:** B N.

The aim of this unit of study is to consolidate and extend experiences in clinical nursing practice for selected students undertaking their final year of study in the Bachelor of Nursing course. It is intended for those students who require recent clinical experience prior to registration with the New South Wales Nurses Registration Board in order to ensure competence and public safety. The off-campus clinical experience can be in an area of nursing practice chosen by the student from placements made available by the Faculty.

### CLSS2603

#### Greek and Roman Literature - Epic

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paul Roche **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 18 Junior credit points **Prohibitions:** GRLT2301 **Assessment:** one 1000 word tutorial paper, one 1750 word essay, one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Arts, UG Study Abroad Program.

Ancient epic helped shape the European cultural imagination. These masterpieces treat issues of universal concern: life, death, love, war, fate, the supernatural, and the journey of experience. Homer's Iliad and Odyssey are both entertainment and serious explorations of social values. Vergil's Aeneid recounts the foundation of Rome, and considers the individual's plight amid unstoppable historical and supernatural forces. Lucan's Civil War presents a disturbing vision of a world descending into chaos. This unit explores in detail these brilliant and influential poems.

#### Textbooks

Homer Odyssey trans. W. Shewring (Oxford U.P.)  
Homer Iliad trans. M. Hammond (Penguin Classics)  
Virgil Aeneid trans. C. Day Lewis (Oxford U.P.)  
Lucan Civil War trans. S. Braund (Oxford U.P.)

### CLSS2804

#### Classical Civilisation Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### CLSS2805

#### Classical Civilisation Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

### CLSS4011

#### Classics Honours A

#### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1, Semester 2 **Prerequisites:** Either credit average in 36 senior credit points of Latin, including two of LATN3603, 3604, 3605, 3606 plus 18 additional senior credit points of Greek OR credit average in 36 senior credit points of Greek, including two of GRKA3603, 3604, 3605, 3606 plus 18 additional senior credit points of Latin. **Assessment:** All of the major components of the Honours year will be assessed **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons).

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Student Information Guide from the SOPHI Office.

### CLSS4012

#### Classics Honours B

#### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1, Semester 2 **Corequisites:** CLSS4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons).

Refer to CLSS4011

### CLSS4013

#### Classics Honours C

#### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1, Semester 2 **Corequisites:** CLSS4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons).

Refer to CLSS4011

### CLSS4014

#### Classics Honours D

#### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1, Semester 2 **Corequisites:** CLSS4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons).

Refer to CLSS4011

### CLST2601

#### Defining the Celts

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof A Ahlqvist **Session:** Semester 1 **Classes:** 2 x 1hr lecture and 1 x 1hr tutorial per week **Prerequisites:** 18 Junior Credit Points **Assessment:** one 2500 word essay and 2 hour (2000



word) exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, UG Study Abroad Program.

The 'Celts' are any of those peoples of Europe who speak or spoke a Celtic language. By the Iron Age the Celtic peoples were spread across Europe, and across the course of millennia have given rise to a number of European nations and cultures-including the Irish, the Welsh and the Bretons. This unit explores definitions of the Celts, examining their history and development, and provides an overview of their languages.

### CLST2602

#### Old Irish 2

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Anders Ahlqvist **Session:** Semester 2 **Classes:** 2 x 1hr lecture per week. 1 x 1hr tutorial per week. **Prerequisites:** CLST2606 **Assessment:** One 2500 wd grammar, metrics and translation exercise. One 2hr/2000 wd exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, UG Study Abroad Program.

The course seeks to give the students further insights about Old Irish, building on those achieved by taking Beginners' Old Irish (or equivalent elsewhere). The main focus remains on the grammar of the language, as well as its phonology and orthography; an outline is provided of the history of Irish. Further key texts are read and explicated; the complex metrical patterns of the magnificent poetry are presented.

### CLST2603

#### Middle Welsh 2

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Anders Ahlqvist **Session:** Semester 2 **Classes:** 2 x 1hr lectures per week; 1 x 1hr tutorial per week. **Prerequisites:** CLST2604 **Assessment:** One 2500 wd grammar, metrics and translation exercise; one 2hr/2000 wd examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, UG Study Abroad Program.

Building on the knowledge acquired by following Beginners' Middle Welsh (or equivalent elsewhere), the course seeks to give the students further insights about Middle Welsh. The main focus remains on the grammar of the language, as well as its phonology and orthography; an outline is provided of the history of Welsh. Further key texts are read and explicated; the complex metrical patterns of the beautiful poetry are presented.

### CLST2604

#### Middle Welsh 1

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof A Ahlqvist **Session:** Semester 1 **Classes:** 2 x hr lecture and 1 x 1hr tutorial per week **Prerequisites:** 18 Junior Credit Points **Assessment:** 2500 word Grammar and translation exercise and 2 hour (2000 word) exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (advanced) degree programme*

**Associated degrees:** B A, UG Study Abroad Program.

Middle Welsh was the language spoken and written in Wales in the Middle Ages (from about the twelfth to the fourteenth century). The most famous text surviving in Middle Welsh is the Mabinogion, a compilation of mythical and legendary material often of much earlier date. In this unit students will develop a knowledge of Middle Welsh grammar and vocabulary, and learn to read texts in Middle Welsh.

### CLST2605

#### Celts in History

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr L Olsen **Session:** Semester 2 **Classes:** 1 x 2hr seminar per week **Prerequisites:** 18 Junior credit points **Assessment:** One 3500 word Seminar Paper and 2500 word Weekly Journal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, UG Study Abroad Program.

Finding the Celts in History from c.500 B.C. to the present raises issues of the extent of invasion or migration that has occurred in the past and its role in cultural change, indeed the very nature of cultural change itself. These will be addressed from written sources, material remains and genetic evidence. While this unit stands on its own, its topics have been carefully selected to allow students who have done CLST1001 to explore further the Celtic world.

### CLST2606

#### Old Irish 1

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof A Ahlqvist **Session:** Semester 1 **Classes:** 2 x 1hr lecture and 1 x 1hr tutorial per week **Prerequisites:** 18 Junior credit points **Assessment:** 2500 word grammar and translation exercise and 2 hour ( 2000 word) exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (advanced) degree programme*

**Associated degrees:** B A, UG Study Abroad Program.

Old Irish was the language spoken and written in Ireland in the early Middle Ages, and is preserved in a range of records, from Ogham stones to manuscripts. In this unit students will develop a knowledge of Old Irish grammar and vocabulary, and learn to read texts in Old Irish.

### CLST2607

#### Modern Irish Linguistics

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof A Ahlqvist **Session:** Semester 2 **Classes:** Two 2 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 Senior Credit Points **Assessment:** One 2 hour/2000 word exam. One 2000 word end-of-course homework essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (advanced) degree programme*

**Associated degrees:** B A, UG Study Abroad Program.

The unit develops students' knowledge of linguistics through the detailed study of Modern Irish. The grammar and linguistics of Modern Irish form the major focus; students will bring to the unit a background in language study and/or linguistics. The unit will consider the ways in which Modern Irish differs from other Western European languages, studying syntax and phonology.

### CLST4011

#### Celtic Studies Honours A

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Prof A Ahlqvist **Session:** Semester 1, Semester 2 **Prerequisites:** A major in Celtic Studies plus 12 additional credit points, all with a credit average **Assessment:** two units of study each with 6000 words of assessment and an 18-20,000 word thesis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons).

Celtic Studies IV Honours is a 2-semester programme consisting of: a thesis of 18,000-20,000 words, written under the supervision of a member of staff nominated by the coordinator, and two 1-semester seminar (or equivalent) units of study. Note: It is important that prospective IV-Honours students consult the coordinator to ensure that their choice of Senior-level units of study is appropriate to their intentions for IVth Year. Normally, although this may be varied in individual cases, the coursework is worth 50 per cent of the total mark and the thesis is worth 50 per cent.

### CLST4012

#### Celtic Studies Honours B

##### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** CLST4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons).

Refer to CLST4011

## CLST4013

### Celtic Studies Honours C Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** CLST4012  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons).

Refer to CLST4011

## CLST4014

### Celtic Studies Honours D Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** CLST4013  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons).

Refer to CLST4011

## CMPN1000

### Composition Through Improvisation 1 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1  
**Classes:** 1hr workshop/wk **Assessment:** Weekly assignments (70%), final recorded composition (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The unit aims, through performance, to help students develop vital aural and improvisational skills which will significantly enhance their compositional capacity. For further information contact the Chair (Composition and Music Technology).

## CMPN1003

### Composition Through Improvisation 2 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 2  
**Classes:** 1hr workshop/wk **Prerequisites:** CMPN1000 Composition Through Improvisation 1 **Assessment:** Weekly assignments (70%), final recorded composition (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The unit aims through performance to help students develop vital aural and improvisational skills which will significantly enhance their compositional process. For further information contact the Chair (Composition and Music Technology).

## CMPN1007

### Electronic Music 1 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Anthony Hood **Session:** Semester 1  
**Classes:** 2hr lab/studio session/wk **Prerequisites:** MUED1002 Music Technology 1 **Assessment:** Sound examples of processed material (40%), electroacoustic work (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

This unit will explore some current techniques in electroacoustic composition through the completion of small tasks in signal processing and the composing of a small electroacoustic sound work. Students will discuss recent examples of the electroacoustic repertoire to gain and understanding of current practices, and will gain an insight into the recording process leading to the making of their piece.

## CMPN1008

### Electronic Music 2 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Anthony Hood **Session:** Semester 2  
**Classes:** 2hr lab/studio session/wk **Prerequisites:** CMPN1007 Electronic

Music 1 **Assessment:** Multichannel composition (40%), Multimedia DVD with 5.1 surround sound (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

This unit will explore current techniques in electroacoustic composition with a focus on the realisation and performance of a multichannel electroacoustic sound work. Students will become familiar with historic approaches to this genre through the study of representative pieces. The class will assume a leadership role in the running of an electroacoustic/multimedia concert, and have the opportunity to diffuse stereo works in a surround space. Students will compose two multichannel works to demonstrate an understanding of the compositional process in this medium.

## CMPN1601

### Composition 1 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Matthew Hindson **Session:** Semester 1, Semester 2 **Classes:** 2 hour seminar plus individual tutorials. **Corequisites:** CMPN1611 Compositional Techniques and Analysis **Assumed knowledge:** Students have passed the composition entrance interview. **Assessment:** Portfolio of creative work as directed by the lecturer (90%), attendance and participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S.

The development of compositional techniques is integral to the ability to best express musical ideas and material. The focus of this unit is the creative work of students which is developed through the study of a range of compositional topics. Aspects of pitch, rhythm, counterpoint, notation, instrumentation and structure are considered both in the abstract and in relation to a variety of music. For further information contact the Chair of Unit.

## CMPN1602

### Composition 2 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Matthew Hindson **Session:** Semester 1, Semester 2 **Classes:** 2 hour seminar plus individual tutorials. **Prerequisites:** CMPN1601 Composition 1 **Corequisites:** CMPN1612 Compositional Techniques and Analysis 2 **Assessment:** Portfolio of creative work as directed by the lecturer (90%), attendance and participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S.

The development of compositional technique is integral to the ability to best express musical ideas and material. The focus of this unit is the creative work of students which is developed through the study of a range of compositional topics. Aspects of pitch, rhythm, counterpoint, notation, instrumentation and structure are considered both in the abstract and in relation to a variety of music. For more information contact the Chair of Unit.

## CMPN1611

### Compositional Techniques and Analysis 1 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1 **Classes:** 2 hours seminar **Assumed knowledge:** It is strongly recommended that participants have a good grasp of modern and 20th century repertoire. **Assessment:** One short assignment/essay 30% One long essay/analysis 70% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

Studies will fall primarily into the following areas: 1. Overview of music and composition in the 20th century to the current times. The aim is to introduce students to a range of compositional styles, concepts, aesthetics and developments in the

period ranging from the early 20th century to the present. 2. Concepts of notation. This component includes an historical overview of the development of musical notation and will also focus on changing

practices in the 20th century - additions and modifications to traditional notation, time/space and aleatoric notation, musical graphics, notation of electronic music etc, and the ideas which underlie the techniques covered. 3. Aspects of pitch rhythm and form: an introduction to concepts relating to the way musical/sound material is organised ranging from traditional to more contemporary approaches. 4. Introduction to orchestration. Students will look at the development of the orchestra and will examine techniques of orchestration up to, and including, works from the early 20th century repertoire. For further information, contact the Chair of Unit.

### CMPN1612

#### Compositional Techniques and Analysis 2 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 2 **Classes:** 2 hours seminar **Prerequisites:** CMPN1611 Compositional Techniques & Analysis 1 **Assessment:** One short assignment/essay 30% One long essay/analysis 70% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

Studies will focus on the work of specific composers and schools and will fall primarily into the following areas: 1. Overview of music and composition in the 20th century to the current times. The aim is to introduce students to a range of compositional styles, concepts, aesthetics and developments in the period ranging from the early 20th century to the present. 2. Concepts of notation. This component includes an historical overview of the development of musical notation and will also focus on changing practices in the 20th century - additions and modifications to traditional notation, time/space and aleatoric notation, musical graphics, notation of electronic music etc, and the ideas which underlie the techniques

covered. 3. Aspects of pitch rhythm and form: an introduction to concepts relating to the way musical/sound material is organised ranging from traditional to more contemporary approaches. 4. Introduction to orchestration. Students will look at the development of the orchestra and will examine techniques of orchestration up to, and including, works from the early 20th century repertoire. For further information, contact the Chair of Unit.

### CMPN1631

#### Electroacoustic Music 1 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Anthony Hood **Session:** Semester 1 **Classes:** One 2 hr lab/studio class/wk **Prerequisites:** MUED1002 Music Technology **Assessment:** Sound examples demonstrating electroacoustic techniques (40%), Electroacoustic composition (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S.

This unit will explore current techniques in electroacoustic composition through the completion of small tasks in signal processing and the composing of an electroacoustic sound work. Students will discuss recent examples of the electroacoustic repertoire to gain an understanding of current practices, and will gain an insight into the recording process leading to the making of their piece.

### CMPN1632

#### Electroacoustic Music 2 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Anthony Hood **Session:** Semester 2 **Classes:** One 2 hr lab/studio class/wk **Prerequisites:** CMPN1631 Electroacoustic Music 1 **Assessment:** Composition for solo instrument and 5.1 sound (50%), Multichannel electroacoustic work (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S.

Electronic music composers have been "diffusing" stereo works in surround spaces for many years. Until recently, there has been no standard to which composers could adhere when mixing their works to multichannel tape. Although it has some limitations for the

electroacoustic composer, sound encoded for 5.1 on DVD now offers the composer a medium through which to share surround sound electroacoustic works. This unit of study explores composing for a surround space, and investigates writing and electroacoustic work that also includes a live instrumental/vocal performer.

### CMPN2000

#### Composition Through Improvisation 3 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1 **Classes:** 1hr workshop/wk **Prerequisites:** CMPN1003 Composition Through Improvisation 2, CMPN2004 Composition 4 (Major) or CMPN2604 Composition 4 **Assessment:** Weekly assignments/classroom participation (20%), 2 exams (20% each), Ensemble composition (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The unit aims to introduce students to the instruments and techniques required for composition and performance in percussion. The unit will also focus on the fundamentals of rhythm in order to develop solo and ensemble performance skills.

### CMPN2001

#### Composition Through Improvisation 4 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 2 **Classes:** 1hr workshop/wk **Prerequisites:** CMPN2000 Composition Through Improvisation 3 **Assessment:** Weekly assignments/classroom participation (40%), composition and performance of a piece for percussion ensemble (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The aim of this Unit of Study is that students will develop an understanding of percussion composition through the development of basic percussion performance techniques, the creation of percussion ensemble compositions, performing complex rhythms and the experience of ensemble performance.

### CMPN2003

#### Composition 3 (Major) Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3hr class/wk **Prerequisites:** CMPN1006 Composition 2 (Major) **Corequisites:** CMPN2011 Compositional Techniques and Analysis 3, CMPN1007 Electronic Music 1 **Assessment:** Portfolio of compositions (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Small classes will be taught by composition staff and, where available, guest composers. Every semester lecturers will offer a number of composition options, including those listed below. Students enrolled in Composition 3-8 (Major) will be required to choose one option offered by a different lecturer each semester. Composition options to be included are: mixed ensemble, radiophonic composition, vocal and/or choral music, electronic media, orchestra, specially constructed performance systems, string quartet, chamber orchestra, audio visual systems, works for solo instrument, film and/or video, chamber opera, music theatre. For further information contact the Chair of Unit.

### CMPN2004

#### Composition 4 (Major) Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3hr class/wk **Prerequisites:** CMPN2003 Composition 3 (Major) **Corequisites:** CMPN2012 Compositional Techniques and Analysis 4, CMPN1008 Electronic Music 2 **Assessment:** Portfolio of compositions

(100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Every semester lecturers will offer a number of composition options. Students enrolled in Composition 3 - 8 (Major) will be required to choose one option offered by a different lecturer each semester. Composition options to be included are as follows: mixed ensemble; radiophonic composition; vocal and/or choral music; electronic media; orchestra; specially constructed performance systems; string quartet; chamber orchestra; audio visual systems; works for solo instrument; film and/or video; chamber opera; music theatre. For further information contact the Chair of Unit.

### CMPN2006

#### Sound Recording Fundamentals

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** John Bassett **Session:** Semester 1 **Classes:** 2hr studio class/wk **Prerequisites:** MUED1002 Music Technology 1 **Corequisites:** BMus (Perf) Jazz students only: JAZZ4010 Jazz Performance 7 **Assessment:** Live Stereo Recording (40%), Solo Studio Recording (40%), Web CT Online Exam (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit of study examines the theory of sound and acoustics, microphone design, stereo microphone techniques, mixing console operation, application of signal modifiers, digital audio recording and CD creation. Students will experience prac-based recording sessions to gain a comprehensive understanding of the recording technology on offer at the Sydney Conservatorium. Jazz students should have completed Jazz Performance 6 before enrolling in this unit of study.

### CMPN2007

#### Sound Recording Advanced

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** John Bassett **Session:** Semester 2 **Classes:** 2hr studio class/wk **Prerequisites:** CMPN2006 Sound Recording Fundamentals **Corequisites:** BMus (Perf) Jazz students only: JAZZ4012 Jazz Performance 8 **Assessment:** Class Attendance and Participation (10%), Recording Project 1 (35%), Recording Project 2 (35%), Web CT Exam (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit follows on from Sound Recording Fundamentals with an in-depth look at frequency-based aural training and its application in the use of equalisation in the recording and mixdown process. Additional topics including frequency response, dynamic range, phase relationships in audio systems, effects processors and analysis of audio mixdowns/mixing techniques will also be discussed.

### CMPN2011

#### Compositional Techniques and Analysis 3

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1 **Classes:** 2 hour seminar **Prerequisites:** CMPN1012 /1612 Compositional Techniques and Analysis 2 **Corequisites:** CMPN2003 Composition 3 (Major) or CMPN2603 Composition 3 **Assessment:** Class exercises, assignments (40%); take home exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

A major components of the unit is the study of variation technique, timbre and texture as well as innovations in ensemble and orchestral writing.

### CMPN2012

#### Compositional Techniques and Analysis 4

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 2 **Classes:** 2 hour seminar **Prerequisites:** CMPN2011 Compositional Techniques and Analysis 3 **Corequisites:** CMPN2004 Composition 4 (Major) or CMPN2604 Composition 4 **Assessment:** Class exercises, two assignments (50% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit primarily focuses on the use of diatonicism and other allied modal harmonic and melodic frameworks in recent composition. Various techniques of process construction in pitch, rhythm and form are investigated in conjunction with orchestrational and instrumental applications in such music.

### CMPN2603

#### Composition 3

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3 hour seminar or half hour 1:1 lesson **Prerequisites:** CMPN1602 Composition 2 **Corequisites:** CMPN2011 Compositional Techniques and Analysis 3 and CMPN1631 Electroacoustic Music 1 **Assessment:** Submission of one music composition in hand written or computer made score for a small to medium ensemble and of a duration between six and ten minutes. **Assessment ; Score 100%** **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S.

Small classes will be taught by composition staff and, where available, guest composers. At the lecturers discretion the 3 hour classes will be divided into half hour; one to one composition lessons. Every semester each lecturer of the composition unit will offer a number of composition options, including those listed below. Students enrolled in Composition 3 to 8 will be required to choose one option offered by a different lecturer each semester. Composition options to be included are: - mixed ensemble, electroacoustic composition , vocal or choral music , electronic media , orchestra - specially constructed performance systems such as string quartet , chamber orchestra, audio visual systems with film and/or video, chamber opera and music theatre. For further information contact the Chair of Unit.

### CMPN2604

#### Composition 4

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3 hours seminar per week which can be divided into half hour 1:1 lessons **Prerequisites:** CMPN2603 Composition 3 **Corequisites:** CMPN2012 Compositional Techniques and Analysis and CMPN1632 Electroacoustic Music 2 **Assessment:** Submission of one music composition in hand written or computer made score for a small to medium ensemble and of a duration between six and ten minutes. **Assessment ; Score 100%** **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S.

Small classes will be taught by composition staff and, where available, guest composers. At the lecturers discretion the 3 hour classes will be divided into half hour; one to one composition lessons. Every semester each lecturer of the composition unit will offer a number of composition options, including those listed below. Students enrolled in Composition 3 to 8 will be required to choose one option offered by a different lecturer each semester. Composition options to be included are: - mixed ensemble, electroacoustic composition , vocal or choral music , electronic media , orchestra - specially constructed performance systems such as string quartet , chamber orchestra, audio visual systems with film and/or video, chamber opera and music theatre. For further information contact the Chair of Unit.

### CMPN3000

#### Composer Performer Workshop 1

## Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 2hr workshop/wk **Assessment:** For all students: professional approach in workshops (60%). For composers only: CPW concert attendance, submission of program notes and 2 copies of each score to be played, concert management duties such as stage managing and preparation of programs and publicity (40%). For performers only: performance at the CPW concert(s) (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The Composer Performer Workshop provides both composers and performers with the opportunity to work together in the performance of new and experimental works. For further information contact the Chair of Unit.

### CMPN3001

#### Composer Performer Workshop 2 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 2hr workshop/wk **Prerequisites:** CMPN3000 Composer Performer Workshop 1 **Assessment:** For all students: professional approach in workshops (60%). For composers only: CPW concert attendance, submission of program notes and 2 copies of each score to be played, concert management duties such as stage managing and preparation of programs and publicity (40%). For performers only: performance at the CPW concert(s) (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The Composer Performer Workshop provides both composers and performers with the opportunity to work together in the performance of new and experimental works. For further information contact the Chair of Unit.

### CMPN3004

#### Composition 5 (Major) Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3hr class/wk **Prerequisites:** CMPN2004 Composition 4 (Major) **Corequisites:** CMPN3012 Compositional Techniques and Analysis 5, CMPN3008 Interactive & Algorithmic Composition **Assessment:** Portfolio of compositions (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Every semester lecturers will offer a number of composition options. Students enrolled in Composition 3 - 8 (Major) will be required to choose one option offered by a different lecturer each semester. Composition options to be included are as follows: mixed ensemble; radiophonic composition; vocal and/or choral music; electronic media; orchestra; specially constructed performance systems; string quartet; chamber orchestra; audio visual systems; works for solo instrument; film and/or video; chamber opera; music theatre. For further information contact the Chair of Unit.

### CMPN3005

#### Composition 5 (Honours) Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3hr class/wk **Prerequisites:** CMPN2004 Composition 4 (Major), MCGY2011 Harmony and Analysis 4, MCGY2005 Aural Perception 4, CMPN1008 Electronic Music 2, GENS2005 Historical and Cultural Studies 2 **Corequisites:** CMPN3012 Compositional Techniques and Analysis 5, CMPN3008 Interactive & Algorithmic Composition **Assessment:** Portfolio of Compositions (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B Mus (Comp), UG Study Abroad Program.

Students wishing to enrol in the Composition Honours Program, must seek permission from the Chair of Unit. The Honours Program involves attending specific seminars, producing a portfolio of compositions and completing a thesis on an approved topic.

### CMPN3006

#### Composition 6 (Major) Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin (Composition and Music Technology) **Session:** Semester 1, Semester 2 **Classes:** 3hr class/wk **Prerequisites:** CMPN3004 Composition 5 (Major) **Corequisites:** CMPN3013 Compositional Techniques and Analysis 6, CMPN3009 Sound Synthesis **Assessment:** Portfolio of compositions (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Every semester lecturers will offer a number of composition options. Students enrolled in Composition 3 - 8 (Major) will be required to choose one option offered by a different lecturer each semester. Composition options to be included are as follows: mixed ensemble; radiophonic composition; vocal and/or choral music; electronic media; orchestra; specially constructed performance systems; string quartet; chamber orchestra; audio visual systems; works for solo instrument; film and/or video; chamber opera; music theatre. For further information contact the Chair of Unit.

### CMPN3007

#### Composition 6 (Honours) Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Mary Finsterer **Session:** Semester 1, Semester 2 **Classes:** 3hr class/wk **Prerequisites:** CMPN3005 Composition 5 (Honours) **Corequisites:** CMPN3013 Compositional Techniques and Analysis 6, CMPN3009 Sound Synthesis **Assessment:** Portfolio of Compositions (90%) Thesis proposal (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), UG Study Abroad Program.

Students wishing to enrol in the Composition Honours Program, must seek permission from the Chair of Unit. The Honours Program involves attending specific seminars, producing a portfolio of compositions and completing a thesis on an approved topic.

### CMPN3008

#### Interactive and Algorithmic Composition Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Ivan Zavada **Session:** Semester 1 **Classes:** 2hr lab/studio session/wk **Prerequisites:** CMPN1008 Electronic Music 2 or CMPN1632 Electroacoustic Music 2 **Assessment:** Workshop presentation of Max patches (60%); Workshop presentation of interactive MIDI composition (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

Computers now offer composers the opportunity to build software instruments with interactivity and generative elements that can operate in real-time. This can include installations or live performance works. This unit investigates the Max software environment, encouraging the student to explore the creative possibilities of interactive/generative composition.

### CMPN3009

#### Sound Synthesis Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Ivan Zavada **Session:** Semester 2 **Classes:** 2hr lab/studio session/wk **Prerequisites:** CMPN3008 Electronic Music 3/Interactive and Algorithmic Composition **Assessment:** Submission of MSP patch (60%), Workshop performances of interactive/generative work (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

This unit continues from Electronic Music 3, this time looking at interactive/generative composition within the digital audio/multimedia domain. Working within the MSP environment, students will develop an understanding of advanced DSP techniques and will gain experience of writing interactive works for acoustic instruments and installations. Final works will be presented in a concert workshop at the end of semester.

### CMPN3012

#### Compositional Techniques and Analysis 5 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1 **Classes:** 2 hour seminar **Prerequisites:** CMPN2012 Compositional Techniques and Analysis 4 **Corequisites:** CMPN3004 Composition 5 (Major) or CMPN3605 Composition 5 **Assessment:** Class exercises, two assignments (50% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit will be an investigation of two diverse areas of composition and a comparison of them through analysis of works and reading and discussion of pertinent published articles. Stochastic techniques such as those employed by composer Iannis Xenakis and their results will be juxtaposed with free, allietoric and graphic notation works, particularly those of Karlheinz Stockhausen.

### CMPN3013

#### Compositional Techniques and Analysis 6 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 2 **Classes:** 2 hour seminar **Prerequisites:** CMPN3012 Compositional Techniques and Analysis 5 **Corequisites:** CMPN3006 Composition 6 (Major) or CMPN3606 Composition 6 **Assessment:** Class exercises, assignments (40%); take home exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit covers the investigation of diverse structural and formal aspects of music written primarily in the second half of the 20th century. Works of many composers from this period will be analysed in some detail with respect to organisation of pitch, rhythm, harmony (vertical pitch organisation), timbre, texture, syntax, orchestration, transformational processes and formal problems. Investigation of influences of various transformational and structural processes, originally developed in electronic/computer music, on orchestration, structure and transformational processes in instrumental music is included. The role of the concepts of time and space in late 20th century compositional thought will also be considered. Some emphasis will be given to class discussion on aesthetics and philosophical backgrounds of various stylistic trends and compositional approaches in the 20th century.

### CMPN3605

#### Composition 5 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3 hours seminar **Prerequisites:** CMPN2604 Composition 4 **Corequisites:** CMPN3000 Composers Performers Workshop 1 or CMPN 3008 Interactive & Algorithmic Composition **Assessment:** Submission of one music composition in hand written or computer made score for a small to large ensemble and of a duration between six and ten minutes. **Assessment ; Score** 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S.

Small classes will be taught by composition staff and, where available, guest composers. At the lecturers discretion the 3 hour classes will

be divided into half hour; one to one composition lessons. Every semester each lecturer of the composition unit will offer a number of composition options, including those listed below. Students enrolled in Composition 3 to 8 will be required to choose one option offered by a different lecturer each semester. Composition options to be included are: - mixed ensemble, electroacoustic composition , vocal or choral music , electronic media , orchestra - specially constructed performance systems such as string quartet , chamber orchestra, audio visual systems with film and/or video, chamber opera and music theatre. For further information contact the Chair of Unit.

### CMPN3606

#### Composition 6 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3 hours seminar **Prerequisites:** CMPN3605 Composition 5 **Corequisites:** CMPN3001 Composers Performers Workshop 2 or CMPN 3009 Sound Synthesis **Assessment:** Submission of one music composition in hand written or computer made score for a small to large ensemble and of a duration between six and ten minutes. **Assessment ; Score** 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S.

Small classes will be taught by composition staff and, where available, guest composers. At the lecturers discretion the 3 hour classes will be divided into half hour; one to one composition lessons. Every semester each lecturer of the composition unit will offer a number of composition options, including those listed below. Students enrolled in Composition 3 to 8 will be required to choose one option offered by a different lecturer each semester. Composition options to be included are: - mixed ensemble, electroacoustic composition , vocal or choral music , electronic media , orchestra - specially constructed performance systems such as string quartet , chamber orchestra, audio visual systems with film and/or video, chamber opera and music theatre. For further information contact the Chair of Unit.

### CMPN3615

#### Composition 5 (Honours) Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3 hours/week **Prerequisites:** CMPN2604 Composition 4, MCGY2011 Harmony & Analysis 4, MCGY2005 Aural Perception 4, CMPN1632 Electroacoustic Music 2, CMPN2012 Compositional Techniques & Analysis 4 **Corequisites:** CMPN3008 Interactive & Algorithmic Composition or CMPN3000 Composer Performer Workshop 1 **Assessment:** Portfolio of compositions, 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B Mus (Comp), UG Study Abroad Program.

The Honours strand for the B Mus Composition degree allows students to extend their musical knowledge and skill base within a specialised honours program. Students enrolled in Honours units are expected to develop and complete research-based projects which will consist of preparation and development of a composition portfolio and related dissertation/research thesis. Students wishing to enrol in the Composition Honours Program must seek permission of the Chair of Unit.

### CMPN3616

#### Composition 6 (Honours) Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3 hours/week **Prerequisites:** CMPN3615 Composition 5 (Honours) **Corequisites:** CMPN3009 Sound Synthesis or CMPN3001 Composer Performer Workshop 2 **Assessment:** Portfolio of compositions, 90%; thesis proposal, 10%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B Mus (Comp), UG Study Abroad Program.

The Honours strand for the B Mus Composition degree allows students to extend their musical knowledge and skill base within a specialised honours program. Students enrolled in Honours units are expected to develop and complete research-based projects which will consist of preparation and development of a composition portfolio and related dissertation/research thesis. Students wishing to enrol in the Composition Honours Program must seek permission of the Chair of Unit.

#### CMPN4000

##### Composer Performer Workshop 3 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 2hr workshop/wk **Prerequisites:** CMPN3001 Composer Performer Workshop 2 **Assessment:** For all students: professional approach in workshops (60%). For composers only: CPW concert attendance, submission of program notes and 2 copies of each score to be played, concert management duties such as stage managing and preparation of programs and publicity (40%). For performers only: performance at the CPW concert(s) (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

The Composer Performer Workshop provides both composers and performers with the opportunity to work together in the performance of new and experimental works. For further information contact the Chair of Unit.

#### CMPN4001

##### Composer Performer Workshop 4 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 2hr workshop/wk **Prerequisites:** CMPN4000 Composer Performer Workshop 3 **Assessment:** For all students: professional approach in workshops (60%). For composers only: CPW concert attendance, submission of program notes and 2 copies of each score to be played, concert management duties such as stage managing and preparation of programs and publicity (40%). For performers only: performance at the CPW concert(s) (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

The Composer Performer Workshop provides both composers and performers with the opportunity to work together in the performance of new and experimental works. For further information contact the Chair of Unit.

#### CMPN4004

##### Composition 7 (Major) Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3hr class/wk **Prerequisites:** CMPN3006 Composition 6 (Major) **Corequisites:** CMPN4010 Sound & Image **Assessment:** Portfolio of compositions (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed).

Every semester lecturers will offer a number of composition options. Students enrolled in Composition 3 - 8 (Major) will be required to choose one option offered by a different lecturer each semester. Composition options to be included are as follows: mixed ensemble; radiophonic composition; vocal and/or choral music; electronic media; orchestra; specially constructed performance systems; string quartet; chamber orchestra; audio visual systems; works for solo instrument; film and/or video; chamber opera; music theatre. For further information contact the Chair of Unit.

#### CMPN4005

##### Composition 7 (Honours)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3hr class/wk **Prerequisites:** CMPN3007 Composition 6 (Honours) **Corequisites:** CMPN4010 Sound & Image **Assessment:** Portfolio of compositions (80%), 5,000 word thesis (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B Mus (Comp).

Students wishing to enrol in the Composition Honours Program, must seek permission from the Chair of Unit. The Honours Program involves attending specific seminars, producing a portfolio of compositions and completing a thesis on an approved topic.

#### CMPN4006

##### Composition 8 (Major) Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3hr class/wk **Prerequisites:** CMPN4004 Composition 7 (Major) **Corequisites:** CMPN4011 Composition & Multimedia **Assessment:** Portfolio of compositions (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed).

Every semester lecturers will offer a number of composition options. Students enrolled in Composition 3 - 8 (Major) will be required to choose one option offered by a different lecturer each semester. Composition options to be included are as follows: mixed ensemble; radiophonic composition; vocal and/or choral music; electronic media; orchestra; specially constructed performance systems; string quartet; chamber orchestra; audio visual systems; works for solo instrument; film and/or video; chamber opera; music theatre. For further information contact the Chair of Unit.

#### CMPN4007

##### Composition 8 (Honours) Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3hr class/wk **Prerequisites:** CMPN4005 Composition 7 (Honours) **Corequisites:** CMPN4011 Composition & Multimedia **Assessment:** A major work (an orchestral work of 15min or a music theatre work of 20min or an electroacoustic work for 6 instruments and electronics of 15-20 min can be used as benchmarks), or folio of works. The composition(s) will be assessed by a panel of at least three members of the Composition and Music Technology Unit chaired by the Unit Chair (or his/her nominee); the minor thesis will be assessed by a panel of at least two members of the Composition and Music Technology Unit. To achieve a mark in Composition 8 (Honours), students must pass all components of the course. The final honours mark will be an average of the marks for Composition 7 (Honours) and Composition 8 (Honours). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Mus (Comp).

Students wishing to enrol in the Composition Honours Program, must seek permission from the Chair of Unit. The Honours Program involves attending specific seminars, producing a portfolio of compositions and completing a thesis on an approved topic.

#### CMPN4010

##### Sound and Image Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Ivan Zavada **Session:** Semester 1 **Classes:** 2hr lab/studio session/wk **Prerequisites:** CMPN1008 Electronic Music 2 or CMPN1632 Electroacoustic Music 2 **Assessment:** Preliminary exercises (40%), Multimedia Composition (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S.

Audio-visual composition is a predominant mode of practice for many contemporary composers. Electronic Music 5 unit exists to provide students with an introduction to audio-visual composition and to investigate the broader relationship between sound and image. Through project based investigations, students are introduced to

technologies and compositional concepts that influence and shape contemporary audio-visual practice.

### CMPN4011

#### Composition and Multimedia

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Ivan Zavada **Session:** Semester 2  
**Classes:** 2hr lab/studio session/wk **Prerequisites:** CMPN4010 Sound and Image/Electronic Music 5 **Assessment:** Initial Documentation Research 10%, Article Summaries 40%, Final Project 50% **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

This unit will focus on electronic music composition involving new paradigms brought about by real-time performance, installations, network technology, human computer interaction, gestural control and integration with visual arts and video animations. The aim is to encourage students to explore and maximise the possibilities offered by the current lab and studio environments at the Conservatorium. This unit of study will also investigate the available literature on topics such as multimedia, interactive and installation work in the context of contemporary electronic music practice.

### CMPN4607

#### Composition 7

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3 hours seminar **Prerequisites:** CMPN3606 Composition 6 **Corequisites:** CMPN4000 Composers Performers Workshop 3 or CMPN4010 Sound & Image **Assessment:** Submission of one music composition in hand written or computer made score for a small to large ensemble and of a duration between eight and twelve minutes. Assessment ; Score 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp).

Small classes will be taught by composition staff and, where available, guest composers. At the lecturers discretion the 3 hour classes will be divided into half hour; one to one composition lessons. Every semester each lecturer of the composition unit will offer a number of composition options, including those listed below. Students enrolled in Composition 3 to 8 will be required to choose one option offered by a different lecturer each semester. Composition options to be included are: - mixed ensemble, electroacoustic composition , vocal or choral music , electronic media , orchestra - specially constructed performance systems such as string quartet , chamber orchestra, audio visual systems with film and/or video, chamber opera and music theatre. For further information contact the Chair of Unit.

### CMPN4608

#### Composition 8

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3 hours seminar **Prerequisites:** CMPN4607 Composition 7 **Corequisites:** CMPN4001 Composers Performers Workshop 4 or CMPN 4011 Composition & Multimedia **Assessment:** Submission of one music composition in hand written or computer made score for a small to large ensemble and of a duration between eight and twelve minutes. Assessment ; Score 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp).

Small classes will be taught by composition staff and, where available, guest composers. At the lecturers discretion the 3 hour classes will be divided into half hour; one to one composition lessons. Every semester each lecturer of the composition unit will offer a number of composition options, including those listed below. Students enrolled in Composition 3 to 8 will be required to choose one option offered by a different lecturer each semester. Composition options to be included are: - mixed ensemble, electroacoustic composition , vocal or choral music , electronic media , orchestra - specially constructed performance systems such as string quartet , chamber orchestra, audio visual systems with film and/or video, chamber opera and music theatre. For further information contact the Chair of Unit.

### CMPN4610

#### Composition 7 (Honours)

##### Sydney Conservatorium of Music

**Credit points:** 12 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3 hours/week **Prerequisites:** CMPN3616 Composition 6 (Honours) **Corequisites:** CMPN4010 Sound & Image or CMPN4000 Composer Performer Workshop 3 **Assessment:** Portfolio of compositions, 80%; 5000-word thesis on an approved topic, 20%. (Please note, the final Composition Honours mark is the average of marks from Composition 7 (Honours) and Composition 8 (Honours).) **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp).

The Honours strand for the B Mus Composition degree allows students to extend their musical knowledge and skill base within a specialised honours program. Students enrolled in Honours units are expected to develop and complete research-based projects which will consist of preparation and development of a composition portfolio and related dissertation/research thesis. Students wishing to enrol in the Composition Honours Program must seek permission of the Chair of Unit.

### CMPN4611

#### Composition 8 (Honours)

##### Sydney Conservatorium of Music

**Credit points:** 12 **Teacher/Coordinator:** Michael Smetanin **Session:** Semester 1, Semester 2 **Classes:** 3 hours/week **Prerequisites:** CMPN4610 Composition 7 (honours) **Corequisites:** CMPN4011 Composition & Multimedia or CMPN4001 Composer Performer Workshop 4 **Assessment:** Portfolio of compositions, 100%. (Please note, the final Composition Honours mark is the average of marks from Composition 7 (Honours) and Composition 8 (Honours).) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp).

The Honours strand for the B Mus Composition degree allows students to extend their musical knowledge and skill base within a specialised honours program. Students enrolled in Honours units are expected to develop and complete research-based projects which will consist of preparation and development of a composition portfolio and related dissertation/research thesis. Students wishing to enrol in the Composition Honours Program must seek permission of the Chair of Unit.

### COMM1001

#### Prob Solving & Communication in Science Science

**Credit points:** 6 **Session:** S1 Late Int, S2 Late Int **Classes:** 15hrs lec, 45hrs prac. **Assessment:** Assessment is based on a communication project and a written report of a modelling project. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Science UG Non-Degree, UG Study Abroad Program.

Alongside the specialised knowledge and skills of the various scientific disciplines, it is as important now as ever before that a science graduate be competent in a set of generic skills associated with science. These skills are identified as reasoning, communication and modelling. In the unit students will be introduced to the key elements of these three aspects of the scientific approach. Working in small groups, students will prepare a short piece for print, radio or video aimed at communicating a scientific topic to a non-technical audience. Students will also complete an exercise aimed at developing a theoretical model of a phenomenon and will prepare a technical report on this development.

### COMP2007

#### Algorithms and Complexity

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Lec 2hrs & Prac 2hrs) per week **Prohibitions:** COMP (2907 or 3309 or 3609 or 3111 or 3811) **Assumed knowledge:** INFO1105, MATH1004 or MATH1904 Discrete Maths **Assessment:** In-course involvement, assignments, quizzes and written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B Sc.



This unit provides an introduction to the design and analysis of algorithms. The main aims are (i) to learn how to develop algorithmic solutions to computational problem and (ii) to develop understanding of algorithm efficiency and the notion of computational hardness.

### COMP2129

#### Operating Systems and Machine Principles Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (Lec 2hrs & Prac 2hrs) per week **Prohibitions:** SOFT (2130 or 2830 or 2004 or 2904) or COMP (2004 or 2904) **Assumed knowledge:** Programming, as from INFO1103 **Assessment:** In-course involvement, assignments, quizzes and written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B Sc.

In this unit of study elementary methods for developing robust, efficient and re-usable software will be covered. The unit is taught in C, in a Unix environment. Specific coding topics include memory management, the pragmatic aspects of implementing data structures such as lists and hash tables and managing concurrent threads. Debugging tools and techniques are discussed and common programming errors are considered along with defensive programming techniques to avoid such errors. Emphasis is placed on using common Unix tools to manage aspects of the software construction process, such as version control and regression testing. The subject is taught from a practical viewpoint and it includes a considerable amount of programming practice, using existing tools as building blocks to complete a large-scale task.

### COMP2555

#### Computer Science Exchange Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange program studying at an overseas University.

### COMP2556

#### Computer Science Exchange Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange program studying at an overseas University.

### COMP2557

#### Computer Science Exchange Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange program studying at an overseas University.

### COMP2558

#### Computer Science Exchange Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange program studying at an overseas University.

### COMP2907

#### Algorithms and Complexity (Advanced) Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Lec 2hrs & Prac 2hrs) per week **Prerequisites:** Distinction level result in INFO (1105 or 1905) or SOFT (1002 or 1902) **Prohibitions:** COMP (2007 or 3309 or 3609 or 3111 or 3811) **Assessment:** In-course involvement, assignments, quizzes and written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B Sc.

An advanced alternative to COMP2007; covers material at an advanced and challenging level. See the description of COMP2007 for more information.

### COMP3109

#### Programming Languages and Paradigms Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Lec 2hrs & Prac 2hrs) per week **Assumed knowledge:** COMP2007 **Assessment:** In-course involvement, assignments, quizzes and written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B E, B Sc.

This unit provides an introduction to the foundations of programming languages and their implementation. The main aims are to teach what are: grammars, parsers, semantics, programming paradigms and implementation of programming languages.

### COMP3308

#### Introduction to Artificial Intelligence Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (Lec 2hrs & Tut 2hrs) per week **Prohibitions:** COMP (3608 or 3002 or 3902) **Assumed knowledge:** COMP2007 **Assessment:** Assignments, written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

Artificial Intelligence (AI) is all about programming computers to perform tasks normally associated with intelligent behaviour. Classical AI programs have played games, proved theorems, discovered patterns in data, planned complex assembly sequences and so on. This unit of study will introduce representations, techniques and architectures used to build intelligent systems. It will explore selected topics such as heuristic search, game playing, machine learning, and knowledge representation. Students who complete it will have an understanding of some of the fundamental methods and algorithms of AI, and an appreciation of how they can be applied to interesting problems. The unit will involve a practical component in which some simple problems are solved using AI techniques.

#### Textbooks

S.J. Russell and P.Norvig, Artificial Intelligence, A Modern Approach, 2d edition  
Prentice Hall, 0-13-080302-2, 2003

### COMP3419

#### Graphics and Multimedia Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (Lec 2hrs & Prac 2hrs) per week **Prohibitions:** MULT (3306 or 3606 or 3019 or 3919 or 3004 or 3904) or COMP(3004 or 3904) **Assumed knowledge:** COMP2007, MATH1002 **Assessment:** In-course involvement, assignments, quizzes and written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B Sc.

Computer Graphics and Multimedia are core technologies to support an interdisciplinary computing and communication environment. This unit provides a broad introduction to the field of multimedia to meet the diverse requirements of application areas such as entertainment, industrial design, virtual reality, intelligent media management, medical imaging and remote sensing. The unit covers both the underpinning theories and the practices of manipulating and enhancing digital media including image, computer graphics, audio, computer animation, and video. It introduces principles and cutting-edge techniques such as

multimedia data processing, content analysis, media retouching, media coding and compression. It elaborates on various multimedia coding standards. A particular focus is on principles and the state-of-the-art research and development topics of Computer Graphics such as modelling, rendering and shading, and texturing.

**COMP3456**  
**Computational Methods for Life Sciences**  
**Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Lec 2hrs & Prac 2hrs) per week **Prerequisites:** INFO1105 and (COMP2007 or INFO2120) and 6 credit points from BIOL or MBLG **Assessment:** In-course involvement, assignments, quizzes and written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B Sc.

This unit introduces the algorithmic principles driving advances in the life sciences. It discusses biological and algorithmic ideas together, linking issues in computer science and biology and thus is suitable for students in both disciplines. Students will learn algorithm design and analysis techniques to solve practical problems in biology.

**COMP3520**  
**Operating Systems Internals**  
**Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1 **Classes:** (Lec 2hrs & Prac 2hrs) per week **Prohibitions:** NETS (3304 or 3604 or 3009 or 3909) or COMP (3009 or 3909) **Assumed knowledge:** COMP2129, INFO1105 **Assessment:** In-course involvement, assignments, quizzes and written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B E, B Sc.

This unit will provide a comprehensive discussion of relevant OS issues and principles and describe how those principles are put into practice in real operating systems. The contents include internal structure of OS; several ways each major aspect (process scheduling, inter-process communication, memory management, device management, file systems) can be implemented; the performance impact of design choices; case studies of common OS (Linux, MS Windows NT, etc). The contents also include concepts of distributed systems: naming and binding, time in distributed systems, resource sharing, synchronization models (distributed shared memory, message passing), fault-tolerance, and case study of distributed file systems.

**COMP3556**  
**Computer Science Exchange**  
**Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

**COMP3557**  
**Computer Science Exchange**  
**Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

**COMP3558**  
**Computer Science Exchange**  
**Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

**COMP3559**  
**Computer Science Exchange**  
**Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

**COMP3608**  
**Intro. to Artificial Intelligence (Adv)**  
**Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1 **Classes:** (Lec 2hrs & Prac 2hrs) per week. **Prerequisites:** Distinction-level results in some 2nd year COMP or MATH or SOFT units. **Prohibitions:** COMP (3308 or 3002 or 3902) **Assessment:** Assignments, written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

An advanced alternative to COMP3308; covers material at an advanced and challenging level. See the description of COMP3308 for more information.

**Textbooks**

S.J. Russell and P.Norvig, Artificial Intelligence, A Modern Approach, 2d edition  
 Prentice Hall, 0-13-080302-2, 2003

**COMP3615**  
**Software Development Project**  
**Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Meeting with academic supervisor 1hr & Class meeting 1hr) per week **Prerequisites:** INFO3402 **Prohibitions:** INFO3600 or SOFT (3300 or 3600 or 3200 or 3700) **Assessment:** Individual presentation, oral examination and group report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B Sc.

This unit will provide students an opportunity to apply the knowledge and practise the skills acquired in the prerequisite and qualifying units, in the context of designing and building a substantial software development system in diverse application domains including life sciences. Working in groups students will need to carry out the full range of activities including requirements capture, analysis and design, coding, testing and documentation.

**COMP4011**  
**Computer Science Honours A**  
**Engineering and Information Technologies**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B S T (Hons), B Sc (Hons), UG Study Abroad Program. Students enrolled in the Honours programs study various advanced aspects of Computer Science. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

**COMP4012**  
**Computer Science Honours B**  
**Engineering and Information Technologies**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B S T (Hons), B Sc (Hons), UG Study Abroad Program.

Students enrolled in the Honours programs study various advanced aspects of Computer Science. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

**COMP4013**  
**Computer Science Honours C**  
**Engineering and Information Technologies**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B S T (Hons), B Sc (Hons), UG Study Abroad Program.  
 Students enrolled in the Honours programs study various advanced aspects of Computer Science. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

**COMP4014**  
**Computer Science Honours D**  
**Engineering and Information Technologies**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B S T (Hons), B Sc (Hons), UG Study Abroad Program.  
 Students enrolled in the Honours programs study various advanced aspects of Computer Science. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

**COMP4551**  
**Computer Science Exchange**  
**Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B C S T (Hons).  
 This unit of study is for University of Sydney students in the Exchange program studying at an overseas University.

**COMP4552**  
**Computer Science Exchange**  
**Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B C S T (Hons).  
 This unit of study is for University of Sydney students in the Exchange program studying at an overseas university.

**COMP4553**  
**Computer Science Exchange**  
**Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B C S T (Hons).  
 This unit of study is for University of Sydney students in the Exchange program studying at an overseas university.

**COMP4554**  
**Computer Science Exchange**  
**Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B C S T (Hons).

This unit of study is for University of Sydney students in the Exchange program studying at an overseas University.

**CONS3001**  
**Conservatorium Exchange**  
**Sydney Conservatorium of Music**

**Credit points:** 8 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus Studies, Dip Op.

**CONS3002**  
**Conservatorium Exchange**  
**Sydney Conservatorium of Music**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus Studies, Dip Op.

**CONS3003**  
**Conservatorium Exchange**  
**Sydney Conservatorium of Music**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus Studies, Dip Op.

**CONS3004**  
**Conservatorium Exchange**  
**Sydney Conservatorium of Music**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus Studies, Dip Op.

**CONS3005**  
**Conservatorium Exchange**  
**Sydney Conservatorium of Music**

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus Studies, Dip Op.

**CONS3006**  
**Conservatorium Exchange**  
**Sydney Conservatorium of Music**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus Studies, Dip Op.

**CONS3007**  
**Conservatorium Exchange**  
**Sydney Conservatorium of Music**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus Studies, Dip Op.

**CONS3008**  
**Conservatorium Exchange**  
**Sydney Conservatorium of Music**

**Credit points:** 8 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus Studies, Dip Op.

**CONS3009****Conservatorium Exchange****Sydney Conservatorium of Music**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus Studies, Dip Op.

**CONS3010****Conservatorium Exchange****Sydney Conservatorium of Music**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus Studies, Dip Op.

**CONS3011****Conservatorium Exchange****Sydney Conservatorium of Music**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus Studies, Dip Op.

**CONS3012****Conservatorium Exchange****Sydney Conservatorium of Music**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus Studies, Dip Op.

**CONS3013****Conservatorium Exchange****Sydney Conservatorium of Music**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus Studies, Dip Op.

**COSC1001****Computational Science in Matlab****Science**

**Credit points:** 3 **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour practical per week. **Prohibitions:** COSC1901 **Assumed knowledge:** HSC Mathematics **Assessment:** One assignment, practical work, including practical exams, theory exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B E, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit of study focuses on scientific problem solving and data visualisation using computers and is complementary to COSC1002. Students will learn how to solve problems arising in the natural sciences and mathematics using core features of the problem solving environment MATLAB, with a choice of problems from various areas of science at each stage. Emphasis will be placed on graphical display and visualisation of data and solutions to problems. No previous knowledge of programming is assumed.

**COSC1002****Computational Science in C****Science**

**Credit points:** 3 **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour practical per week. **Prohibitions:** COSC1902 **Assumed knowledge:** HSC Mathematics **Assessment:** One assignment, practical work, including practical exams, theory exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B E, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit of study focuses on scientific problem-solving using computers and is complementary to COSC1001. Students will learn how to solve problems arising in the natural sciences and mathematics using core features of the language C, with a choice of problems from various areas of science at each stage. No previous knowledge of programming is assumed.

**COSC1551****Computational Science Exchange****Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

**COSC1901****Computational Science in Matlab (Adv)****Science**

**Credit points:** 3 **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour practical per week. **Prerequisites:** UAI of at least 90, or COSC1902, or a distinction or better in COSC1002, SOFT (1001, 1002, 1901 or 1902). **Prohibitions:** COSC1001 **Assumed knowledge:** HSC Mathematics **Assessment:** One assignment, practical work, including practical exams, theory exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B E, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit of study is the advanced version of COSC1001 and is complementary to COSC1902. The subject matter is very similar but more challenging problems will be covered and some additional programming and visualisation techniques will be used.

**COSC1902****Computational Science in C (Adv)****Science**

**Credit points:** 3 **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour practical per week. **Prerequisites:** UAI of at least 90, or COSC1901, or a distinction or better in COSC1001, SOFT (1001, 1002, 1901 or 1902). **Prohibitions:** COSC1002 **Assumed knowledge:** HSC Mathematics **Assessment:** One assignment, practical work, including practical exams, theory exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B E, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit of study is the advanced version of COSC1002 and is complementary to COSC1901. The subject matter is very similar, but more challenging problems will be covered and some additional programming techniques will be used.

**COSC3011****Scientific Computing****Science**

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour practical per week. **Prerequisites:** 12 credit points chosen from Junior Mathematics and Statistics, 12 credit points of Intermediate units in Science subject areas. **Prohibitions:** COSC3911, COSC3001, COSC3901, PHYS3301, PHYS3901 **Assumed knowledge:** Programming experience in MATLAB **Assessment:** Assignments, lab, project work and written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit of study provides a senior-level treatment of scientific problem solving using computers. Students will understand and apply a wide range of numerical schemes for solving ordinary and partial differential equations. Linear algebra is used to provide detailed insight into stability analysis, relaxation methods, and implicit integration. A variety

of scientific problems are considered, including planetary motion, population demographics, heat diffusion, traffic flow and quantum mechanics. All coding is performed with MATLAB, and basic programming experience is assumed.

*Textbooks*

Garcia, AL. Numerical Methods for Physics, 2nd Edition.

### COSC3551

#### Computational Science Exchange Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### COSC3552

#### Computational Science Exchange Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### COSC3911

#### Scientific Computing (Advanced) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour practical per week. **Prerequisites:** 12 credit points chosen from Junior Mathematics and Statistics, 12 credit points of Intermediate units in Science subject areas with a credit average. **Prohibitions:** COSC3011, COSC3001, COSC3901, PHYS3301, PHYS3901 **Assumed knowledge:** Programming experience in MATLAB **Assessment:** Assignments, lab, project work and written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit is the Advanced version of COSC3011. The subject matter is very similar, but more challenging problems will be covered.

*Textbooks*

Garcia, AL. Numerical Methods for Physics, 2nd Edition.

### COSC4001

#### Computational Science Honours A Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B C S T (Hons), B S T (Hons), B Sc (Hons).

Students enrolled in the Honours programs study various advanced aspects of Computational Science. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

### COSC4002

#### Computational Science Honours B Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** COSC4001 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B C S T (Hons), B S T (Hons), B Sc (Hons).

See COSC4001

### COSC4003

#### Computational Science Honours C Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** COSC4002 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B C S T (Hons), B S T (Hons), B Sc (Hons).

See COSC4001

### COSC4004

#### Computational Science Honours D Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** COSC4003 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B C S T (Hons), B S T (Hons), B Sc (Hons).

See COSC4001

### CPAT3201

#### Pathogenesis of Human Disease 1 Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Bob Bao **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 3 hour tutorial per week. **Prerequisites:** At least 6cp intermediate of one of the following: ANAT or BCHM or MBLG or BIOL or HPSC or MICR or PCOL or PHSI, or as the head of department determines. **Assessment:** One 2 hour exam (60%), one major research essay (1500w) (20%) generation of detractors for MCQ stems with referenced support texts for these (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

The Pathological Basis of Human Disease 1 unit of study modules will provide a theoretical background to the scientific basis of the pathogenesis of disease. Areas covered in theoretical modules include: tissue responses to exogenous factors, adaptive responses to foreign agents, cardiovascular/pulmonary/gut responses to disease, forensic science, neuropathology and cancer.

The aim of the course is

- To give students an overall understanding of the fundamental biological mechanisms governing disease pathogenesis in human beings.

- To introduce to students basic concepts of the pathogenesis, natural history and complications of common human diseases.

- To demonstrate and exemplify differences between normality and disease.

- To explain cellular aspects of certain pathological processes.

Together with CPAT3202, the unit of study would be appropriate for those who intend to proceed to Honours research, to professional degrees or to careers in biomedical areas such as hospital science. Together with CPAT3202, it fulfils the Pathology requirements for the Centre for Chiropractic at Macquarie University.

*Textbooks*

Robbins Basic Pathology, Kumar, Cotran & Robbins 7th Edition, 2003, Publ Saunders, Philadelphia, Pennsylvania, USA.

### CPAT3202

#### Pathogenesis of Human Disease 2 Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Bob Bao **Session:** Semester 2 **Classes:** One 2 hour practical per week and one 2 hour museum practical. **Prerequisites:** At least 6cp intermediate of one of the following: ANAT or BCHM or MBLG or BIOL or HPSC or MICR or PCOL or PHSI, or as the head of department determines. **Corequisites:** CPAT3201 **Assessment:** One 2 hour exam (70%), Museum Practical Reports (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

The Pathological Basis of Human Disease 2 unit of study modules will provide a practical background to the scientific basis of the

pathogenesis of disease. Areas covered in practical modules include disease specimen evaluation on a macroscopic and microscopic basis. The aim of the course is

- To enable students to gain an understanding of how different organ systems react to injury and to apply basic concepts of disease processes.
- To equip students with skills appropriate for careers in the biomedical sciences and for further training in research or professional degrees. At the end of the course students will:
- Have acquired practical skills in the use of a light microscope.
- Have an understanding of basic investigative techniques for disease detection in pathology.
- Be able to evaluate diseased tissue at the macroscopic and microscopic level.
- Have the ability to describe, synthesise and present information on disease pathogenesis.
- Transfer problem-solving skills to novel situations related to disease pathogenesis.

The unit of study would be appropriate for those who intend to proceed to Honours research, to professional degrees or to careers in biomedical areas such as hospital science. Together with CPAT3201, it fulfils the Pathology requirements for the Centre for Chiropractic at Macquarie University.

#### Textbooks

Robbins Basic Pathology, Kumar, Cotran & Robbins 7th Edition, 2003, Publ Saunders, Philadelphia, Pennsylvania, USA.

### CPAT3551

#### Cell Pathology Exchange Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### CPAT3552

#### Cell Pathology Exchange Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit is for University of Sydney students in the Exchange Program studying at an overseas university.

### CPAT4011

#### Cell Pathology Honours A Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons).

Students enrolled in the Honours program study various advanced aspects of Cell Pathology. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

### CPAT4012

#### Cell Pathology Honours B Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** CPAT4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons).

Students enrolled in the Honours programs study various advanced aspects of Cell Pathology. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

### CPAT4013

#### Cell Pathology Honours C Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** CPAT4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons).

Students enrolled in the Honours programs study various advanced aspects of Cell Pathology. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

### CPAT4014

#### Cell Pathology Honours D Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** CPAT4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons).

Students enrolled in the Honours program study various advanced aspects of Cell Pathology. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

### CSCD1030

#### Clinical Linguistics Health Sciences

**Credit points:** 3 **Session:** Semester 1, Summer Main **Classes:** 3hrs lectures, classes/week **Assumed knowledge:** Knowledge of traditional grammar **Assessment:** Theory exam, grammatical analysis applied skill exams (Barrier) (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students must pass this unit in order to enrol in clinical units in Year 2. Students without a sound knowledge of formal traditional grammar are encouraged to undertake the Grammar bridging course*

**Associated degrees:** B App Sc (Sp Path), B Hlth Sci, UG Study Abroad Program, UG Summer/Winter School.

Students will acquire the knowledge and skills to conduct linguistic analysis and apply this knowledge to understanding normal communication. Students will learn about formal and functional linguistic theories and methodologies and acquire the skills of traditional analysis of syntax. This unit of study prepares students to: understand the nature of communication; apply this knowledge in analysis of communication.

#### Textbooks

Hand L, Grammar Handbook; available for purchase from the Faculty. Fromlain, Rodman, Collins & Blair

### CSCD1031

#### Clinical Phonetics & Articulation Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Tricia McCabe **Session:** Semester 1, Summer Main **Classes:** 3hrs/week **Assessment:** Weekly transcription tests (7%), skill based transcription exam- Barrier exam (30%), end semester

case-based assignment (20%), 1hr end semester theory exam (43%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students must pass this unit in order to enrol in clinical units in Year 2*

**Associated degrees:** B App Sc (Sp Path), B Hlth Sci, UG Study Abroad Program, UG Summer/Winter School.

Students will learn skills of phonemic and phonetic transcription of typical and deviant spoken Australian English, using a prescribed transcription system. A focus will be on applying transcription skills to normal and disordered articulation. This unit of study prepares students with the necessary background knowledge to undertake clinical practice units in Year 2. Students will acquire knowledge about normal articulation and disorders of articulation, including techniques for assessment, analysis and intervention of articulation disorders.

#### Textbooks

Phonetics 1 Handbook (Available on enrolment or from the cashier)  
Bernthal J & Bankson J, Articulation and Phonological Disorders (5th ed), Allyn & Bacon, Boston (2004) (Available from the Co-op Bookshop)  
Macquarie Dictionary

### CSCD1032

#### Human Communication Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Tricia McCabe **Session:** Semester 1 **Classes:** 4hrs lectures/week **Assessment:** Mid and end semester exams, written report, Resuscitation Certificate **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students must pass this unit in order to enrol in clinical units in year 2*

**Associated degrees:** B App Sc (Sp Path), B Hlth Sci, UG Study Abroad Program.

Participants will acquire knowledge about typical communication development in English across the lifespan and in cultures relevant to the Australian context. Students will begin accumulating and documenting professional development experiences through involvement professional, clinical and community services. Each student must show evidence of completion of an accredited Resuscitation Course in order to receive a Pass grade in this unit. Participants will learn about the sequence of normal communication development from prelinguistic communication development through adult language; the significance of context and function in the development of language; the universality of communication development, and the effect of gender in communication development. This unit of study prepares students to undertake observation of communication and to demonstrate understanding of the theories and facts in the normal acquisition of communication skills and apply this knowledge to people of different ages. Students will learn about professional communication.

#### Textbooks

Bentzen WR, Seeing young children: a guide to observing and recording behaviour (5th ed), Delmar, Albany (2005)  
McLaughlin S, Introduction to Language Development, Singular, San Diego (2006)  
Mohan T et al, Communicating as Professionals (2nd ed), Thomson, Victoria (2008)

### CSCD1033

#### Child Phonology Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Elise Baker **Session:** Semester 2 **Classes:** 5hrs lectures/week **Assumed knowledge:** CSCD1031 Clinical Phonetics and Articulation, CSCD1032 Human Communication **Assessment:** Skill based test, case study assignment, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students must pass this unit in order to enrol in clinical units in year 2*

**Associated degrees:** B App Sc (Sp Path), B Hlth Sci, UG Study Abroad Program.

Students will acquire knowledge about phonology and phonological disorders and will cover techniques for assessment, analysis and intervention of phonological disorders through problem-based and project based learning activities. Participants will learn skills of phonological analysis and critically evaluate the evidence for best practice in assessment, diagnosis and treatment of phonological disorders. This unit of study provides students with the theoretical

background to phonological development and impairment, to equip them to be beginning speech pathology student-clinicians in their clinical practice units in Year 2.

#### Textbooks

Baker E, Articulation and Phonology Workbook, The University of Sydney, Sydney (2005) (Available from the cashier) Bring this workbook to each lecture.  
Klein HB & Moses N, Intervention planning for children with communication disorders, Allyn & Bacon, Needham Heights (1999)  
Paul R, Introduction to Clinical Methods in Communication Disorders, Paul H Brookes, Baltimore (2002)

### CSCD2030

#### Voice Science and Disorders Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Ms Cate Madill **Session:** Semester 2 **Classes:** 4hrs/week on-campus **Prerequisites:** BIOS1116 Speech Science I, BIOS1117 Speech Science II **Assumed knowledge:** CSCD2035 Phonetics II **Assessment:** Case report (60%), mid semester exam (20%), final exam (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program.

Current research on respiration and voice; instrumental procedures for measuring respiratory and vocal performance; nature of voice disorders; assessment, management and treatment of individuals with a variety of phonatory disorders.

### CSCD2035

#### Phonetics II Health Sciences

**Credit points:** 2 **Teacher/Coordinator:** Ms Cate Madill **Session:** Semester 1 **Classes:** 2hrs/week on-campus **Assumed knowledge:** CSCD1026 Phonetics I, BIOS1116 Speech Science I, BIOS1117 Speech Science II, BIOS1118 Hearing Science **Assessment:** Mid semester exam (40%), final exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program.

A study of the relationship between articulatory phonetics, acoustic phonetics and speech perception. An introduction to phonetic applications in communication sciences and disorders.

### CSCD2040

#### Audiology I Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Ms Yetta Abrahams **Session:** Semester 1 **Classes:** 2-3hrs/week on-campus **Assumed knowledge:** BIOS1116 Speech Science I, BIOS1117 Speech Science II, BIOS1118 Hearing Science **Assessment:** Exam (60%), assignment (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program.

An introduction to types of deafness, pathologies of the ear and treatment; basic audiological tests and clinical procedures for evaluating hearing in children and adults; amplification for the hearing impaired.

### CSCD2041

#### Language Impairments in Children I Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Assoc Prof Michelle Lincoln **Session:** Semester 1 **Classes:** 3hrs/week on-campus **Prerequisites:** CSCD1024 Linguistics, CSCD1028 Normal Communication Development **Assessment:** 2 assignments (30% ea), open-book exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program.

Language impairments occurring in specific language impaired children. Principles and practices of language evaluation. Developing and carrying out intervention programs.

## CSCD2042

### Language Impairments in Children II Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Assoc Prof Michelle Lincoln **Session:** Semester 2 **Classes:** 3hrs/week on-campus **Prerequisites:** CSCD2041 Language Impairments in Children I **Assessment:** 2 assignments (40%, 45%), open-book exam (15%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program.

Language impairments occurring in children at the preverbal stages of development and in primary school aged children and adolescents. Principles and practices of language evaluation in each population. Developing and carrying out language intervention programs.

## CSCD2043

### Stuttering Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Assoc Prof Michelle Lincoln **Session:** Semester 1 **Classes:** 3hrs/week on-campus **Assessment:** Online tasks assignment (40%), prolonged speech viva and final exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program.

Management strategies for children and adults who stutter. Consideration and critique of clinically relevant theories and research findings pertaining to the management of stuttering.

## CSCD2046

### Audiological Management I Health Sciences

**Credit points:** 3 **Session:** Semester 2 **Classes:** 2-3hrs/week on-campus **Assumed knowledge:** CSCD2040 Audiology I **Assessment:** Exam (60%), assignment (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program.

Theoretical and clinical issues related to sensory aids for the hearing impaired and assessment and intervention of the communication problems of hearing-impaired adults.

## CSCD2047

### Neurogenics I Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 2 **Classes:** 3hrs/week on-campus **Assumed knowledge:** BIOS2062 Neurobiology II: Communication Disorders **Assessment:** Exams (50% ea) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program.

Description, evaluation and intervention strategies for speech motor and motor programming disorders such as dysarthria and apraxia.

## CSCD2048

### Introductory Clinical I Health Sciences

**Credit points:** 1 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Classes:** Block mode or weekly placement on and off-campus depending on availability **Prerequisites:** CSCD1024 Linguistics, CSCD1025 Professional Development 1, CSCD1026 Phonetics 1, CSCD1028 Normal Communication Development, CSCD1029 Articulation and Phonology **Assessment:** 2 assignments, clinical paperwork **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Sp Path), Health Sciences PG Non Award. Introduction to clinical work with child clients in the on-campus clinic. Students undertake structured observations of a client and serve as therapy aides to advanced students or clinical educators. Students

also attend supervisory conferences with their clinical educators and other students. Student may begin to implement some therapy tasks.

## CSCD2049

### Introductory Clinical II Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2, Summer Main **Classes:** Block mode or weekly placement on and off-campus depending on availability **Prerequisites:** CSCD2048 Introductory Clinical I, CSCD2043 Stuttering **Assessment:** Two assignments, clinical paperwork **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Sp Path), Health Sciences PG Non Award, UG Summer/Winter School.

Students continue in the on-campus clinic or educational setting, eg, preschool working with two or more child clients. Students also attend supervisory conferences with their clinical educators and other students.

## CSCD2051

### Professional Development IIA Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Ms Belinda Kenny **Session:** Semester 1 **Classes:** 1hr/week on-campus **Prerequisites:** CSCD1025 Professional Development I **Assessment:** Critique, case report, assignment, attendance- all assessed on a pass/fail basis **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program.

Students undertake interdisciplinary professional observations. They continue the accumulation of professional development experiences through involvement in relevant professional, community or clinical activities. For speech pathology students these experiences are required to be documented for their portfolio submitted in the fourth year of their course. Students attend lectures and tutorials which consider issues related to their concurrent clinical practice. Recommended co-enrolment in CSCD2048 Introductory Clinical I or CSCD2053 Communication Fieldwork I.

## CSCD2052

### Professional Development IIB Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Ms Belinda Kenny **Session:** Semester 2 **Classes:** 1hr/week on-campus **Prerequisites:** CSCD2051 Professional Development IIA, either CSCD2048 Introductory Clinical I or CSCD2053 Communication Fieldwork I **Corequisites:** CSCD2054 Communication Fieldwork II or CSCD2049 Introductory Clinical II **Assessment:** Report, case presentation, case report, portfolio, attendance, TAM- all assessed on a pass/fail basis **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program.

Students continue to undertake interdisciplinary professional observations. They continue the accumulation of professional development experiences through involvement in relevant professional, community or clinical activities. For speech pathology students these experiences are required to be documented for their portfolio submitted in the fourth year of their course. Students continue to be involved in the running and maintenance of the clinical tests and materials collection. Students attend lectures and tutorials which consider issues related to their concurrent fieldwork or clinical practice, including data collection for workplace and clinical/fieldwork research purposes, with particular attention to single case research. Students must be co-enrolled in clinic or fieldwork to complete the assessment requirements for this unit of study.

## CSCD2053

### Communication Fieldwork I



## Health Sciences

**Credit points:** 1 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Classes:** Block mode or weekly placement, on and off-campus depending on availability **Prerequisites:** CSCD1024 Linguistics, CSCD1025 Professional Development I, CSCD1026 Phonetics I, CSCD1029 Articulation and Phonology, CSCD1028 Normal Communication Development **Assessment:** Project report (100%), paperwork (mandatory) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Hearing&Speech), UG Study Abroad Program.

Introduction to professional work with communicatively impaired individuals in the on-campus speech and hearing clinic. Students will undertake structured observations and tutorials in the clinic. They will also observe aspects of client management and the management structure of the clinic.

## CSCD2054

### Communication Fieldwork II

#### Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Classes:** Block mode or weekly placement, on and off-campus depending on availability **Prerequisites:** CSCD2053 Communication Fieldwork I **Assessment:** Project report (100%), paperwork (mandatory) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Hearing&Speech).

Students will begin 'hands on' work with children. Students will observe children communicating in their normal environment, implement appropriate language enrichment activities and develop skills in recording and analysing group interactions.

## CSCD2057

### Child Language

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Kimberley Docking, Dr Natalie Munro **Session:** Semester 1 **Classes:** Five 1hr lectures/week with associated WebCT activities **Prerequisites:** CSCD1030 **Assumed knowledge:** CSCD1032 Human Communication **Assessment:** Case-based assessment and therapy plan, clinical report critique and follow-up assessment plan, end semester case-based exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is a pre-requisite for the 'Phonology, Language and Literacy' unit in Year 3, Semester 2*

**Associated degrees:** B App Sc (Sp Path), UG Study Abroad Program.

This unit introduces students to spoken language impairments from birth to the school-aged child. The nature of child language impairments together with principles and practices for assessment, diagnosis, management planning and treatment are covered for the following paediatric clinical populations: pre-linguistic infants, toddlers, preschoolers and school-aged children.

*Textbooks*

Paul R, Language Disorders from Infancy through Adolescence (3rd ed), Mosby Elsevier (2007)

## CSCD2058

### Stuttering

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Michelle Lincoln **Session:** Semester 1 **Classes:** 3hrs lectures, 1hr half group tutorial/week **Assumed knowledge:** CSCD1032 Human Communication **Assessment:** Online tasks, assignment, prolonged speech viva (Barrier task), final exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is a pre-requisite for speech pathology (Intermediate) clinical units in Year 3*

**Associated degrees:** B App Sc (Sp Path), UG Study Abroad Program.

Participants will acquire the knowledge and skills to undertake the clinical management of children and adults who stutter. Participants will learn about clinically relevant theories and research findings pertaining to the management of stuttering, how to select, justify and implement clinical interventions, and demonstrate skills in researching and applying evidence-based practice to stuttering management. Students will acquire skills in identifying and counting stuttering and

producing the prolonged speech pattern. This unit of study prepares students to: evaluate research evidence for different assessment and intervention programs in stuttering; consider ethical and service issues related to delivering speech pathology services to culturally diverse populations.

*Textbooks*

Onslow M, Harrison E & Packman A, (2003). The Lidcombe Program of Early Stuttering Intervention: A Clinician's Guide, Pro-Ed, Austin (2003)  
Stuttering Counts - Educational CD-ROM. Cost in 2008 = \$22 (student rate). Available from <http://www.latrobe.edu.au/hcs/resources.htm>

## CSCD2059

### Clinical Processes

#### Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Ms Belinda Kenny, clinical educators **Session:** Semester 1 **Classes:** 2hrs/week **Corequisites:** CSCD2060 Introductory Practice: Clinical OR CSCD2061 Introductory Practice: Community **Assessment:** Written assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is a pre-requisite for Year 3 (Intermediate) speech pathology clinical units of study*

**Associated degrees:** B App Sc (Sp Path), UG Study Abroad Program.

This unit will consider issues directly related to clinical practice units in the areas of professional relationships with families and other professionals, problem solving strategies for identifying and managing ethical issues involved in being a student, working with children and working with families; indigenous issues in health service delivery; basic report writing and case presentation skills. Students will develop strategies for facilitating client's learning. Students will have knowledge of the on-campus clinic policies and procedures and government legislation

*Textbooks*

Clinical Education Handbook, School of Communication Sciences & Disorders, University of Sydney (2005). Available on clinic website

## CSCD2060

### Introductory Practice 1: Clinical

#### Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Ms Annie Chan, Dr Alison Purcell **Session:** Semester 1, Semester 2 **Prerequisites:** CSCD1030 Clinical Linguistics, CSCD1031 Clinical Phonetics and Articulation, CSCD1032 Human Communication, CSCD1033 Child Phonology **Corequisites:** CSCD2057 Child Language, CSCD2059 Clinical Processes **Prohibitions:** Students must advise the Director of Clinical Education before enrolling in this unit of study if they do not have a current Department of Health Criminal Record Check or are a prohibited person under the NSW Working with Children Act (2001) **Assessment:** Clinical paperwork, clinical checklist (mid and end semester), worksheets, log book **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Attendance at clinic orientation is compulsory. Students must pass this unit before they can enrol in Intermediate speech pathology clinical units. Students undertaking CSCD2060 Introductory Practice 1: Clinical in semester 1 who do not pass will need to discuss their enrolment in CSCD2061 Introductory Practice 1: Community with the Director of Clinical Education prior to the commencement of semester 2.*

**Associated degrees:** B App Sc (Sp Path), UG Study Abroad Program.

Students work with a senior student and participate in clinical service delivery in the on-campus clinic. Students must demonstrate competence in the context of direct supervision (novice level), in observing, seeking information about, accurately describing and participating in provision of clinical services to their client; seeking information relevant to their professional development and client care and show awareness of their impact on the client.

*Textbooks*

Introductory Practice handbook  
Competency Based Occupational Standards (CBOS)- Speech Pathology Australia, Melbourne (revised 2001)

## CSCD2061

### Introductory Practice 1: Community

#### Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Ms Annie Chan, Dr Alison Purcell **Session:** Semester 1, Semester 2 **Prerequisites:** CSCD1030 Clinical Linguistics, CSCD1031 Clinical Phonetics and Articulation, CSCD1032 Human Communication, CSCD1033 Child Phonology **Corequisites:** CSCD2057 Child

Language, CSCD2059 Clinical Processes **Prohibitions:** Students must advise the Director of Clinical Education before enrolling in this unit of study if they do not have a current Department of Health Criminal Record Check or are a prohibited person under the NSW Working with Children Act (2001) **Assessment:** Clinical paperwork, clinical checklist (mid and end semester), worksheets, log book **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Attendance at clinic orientation is compulsory. Students must pass this unit before they can enrol in Intermediate speech pathology clinical units. Students undertaking CSCD2061 Introductory Practice 1: Community in Semester 1 who do not pass will need to discuss their enrolment in CSCD2060 Introductory Practice 1: Clinical with the Director of Clinical Education prior to the commencement of semester 2.*

**Associated degrees:** B App Sc (Sp Path), UG Study Abroad Program.

Students do observations and prescribed activities in a preschool, long day care centre or kindergarten with children between 1 and 6 years as well as professional interactions with staff. Students will acquire knowledge of the functions and routines in an early educational setting; develop professional communication skills and confidence in working with other professionals; understand how language is used and targeted as a part of the curriculum in preschool settings; develop skills in carrying out language stimulation activities with preschool age children; and relate observations to relevant theory and research.

*Textbooks*

Introductory Practice handbook  
Competency Based Occupational Standards (CBOS)- Speech Pathology Australia, Melbourne (revised 2001)

## CSCD2062

### Motor Speech and Dysphagia Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Kirrie Ballard, Ms Christine Sheard **Session:** Semester 2 **Classes:** 4hrs/week **Prerequisites:** BIOS1166 Neuroscience **Assumed knowledge:** BIOS1163 Speech Science **Assessment:** MBS assessment, viva, case assignment, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path), UG Study Abroad Program.

Students will acquire the knowledge and skills to conduct clinical assessment and management for clients with speech motor and motor programming disorders such as dysarthria and apraxia, as well as assessment and management of feeding and swallowing impairments in children and adults. Students will learn to describe, evaluate and conduct and justify interventions for these populations. A focus on case problem solving will be emphasised to achieve integration of theory and practical skills. This unit of study prepares students to conduct appropriate and evidence based clinical assessment and management for these populations.

*Textbooks*

Crary MA & Groher ME, Introduction to Adult Swallowing Disorders, Butterworth Heinemann, St Louis (2003)  
CD ROM: The Dynamic Swallow  
Duffy JR, Motor Speech Disorders: Substrates, Differential Diagnosis, and Management (2nd ed) Elsevier Mosby (2005)

## CSCD2063

### Voice and Voice Disorders 1 Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Ms Cate Madill **Session:** Semester 2 **Classes:** 3hrs lectures, 1hr masterclass/week **Prerequisites:** BIOS1163 Speech Science **Corequisites:** CSCD2060 Introductory Practice I: Clinical or CSCD2061 Introductory Practice I: Community **Assumed knowledge:** BIOS1165 Hearing Science and Audiology, CSCI1031 Clinical Phonetics & Articulation **Assessment:** 1hr exam (30%), 2500 word assignment (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path), UG Study Abroad Program.

This unit of study will enable students to describe, analyse and apply; i) the anatomical, physiological, aerodynamic, biomechanical, acoustic and perceptual principles of vocal function; ii) principles and skills in the assessment and analysis of vocal function; iii) different voice techniques and facilitating vocal change in the non-disordered population; in relation to themselves, a fellow student and class cases.

*Textbooks*

Behrman A, Voice and Speech Science, Whurr, London (2007)

## CSCD3023

### Neurogenetics II Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Ms Christine Sheard **Session:** Semester 1 **Classes:** 4hrs/week on-campus **Assumed knowledge:** CSCD2047 Neurogenetics I **Assessment:** Two assignments (55%, 45%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), UG Study Abroad Program.

Characteristics of acquired aphasia and cognitive language in adults and children; critical review of evaluation and intervention strategies; investigation of communication breakdown and its management in dementia, non-dominant cerebral lesions, closed head injury and memory impairment.

## CSCD3024

### Communication and Lifelong Disability Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Mr David Trembath **Session:** Semester 1 **Classes:** 2-3hrs/week on-campus **Prerequisites:** CSCD1028 Normal Communication Development **Assessment:** Exam, viva, Makaton exam **Practical field work:** Makaton training **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program.

Consideration of the communication issues relevant to children and adults with lifelong disability and those who support them. Topics include intellectual disability, cerebral palsy, multiple sensory impairment, autism and an introduction to alternative and augmentative communication. There will be a focus on a social model of disability. The needs of families, carers and culturally and linguistically diverse populations will be explored. Students will have the opportunity to develop skills in Makaton keyword signing.

## CSCD3032

### Professional Development III Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Bronwyn Hemsley **Session:** Semester 1 **Classes:** 1-2hrs/week on-campus **Prerequisites:** CSCD2048 Introductory Clinical I or CSCD2053 Communication Fieldwork I, CSCD2052 Professional Development IIB **Assumed knowledge:** CSCD2049 Introductory Clinical II or CSCD2054 Communication Fieldwork II **Assessment:** Interdisciplinary report, assignment, TAM, attendance- all assessed on a pass/fail basis **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path), B Hlth Sc (Hearing&Speech), UG Study Abroad Program.

This unit of study involves lectures, tutorials and/or workshops on aspects of caseload management and professional issues; communication and counselling skills involved in working with adult clients and caregivers; and computer applications in clinical situations. Students continue with their accumulation of professional development experiences required for their portfolio through involvement in relevant professional, community or clinical activities. Students become involved in the running and maintenance of the clinical tests and materials collection.

## CSCD3034

### Craniofacial Anomalies Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 2 **Classes:** 2hrs/week on-campus **Assumed knowledge:** BIOS1116 Speech Science I and BIOS1117 Speech Science II, or CSCD2030 Voice Science and Disorders **Assessment:** Mid semester assignment (20%), end semester assignment (50%), final exam (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program.

Problems of craniofacial anomalies, relevant nose, throat and orthodontic pathologies and their effects on communication;

implications for assessment and management; instrumental assessment of nasality.

### CSCD3036

#### Language Impairments in Children III

##### Health Sciences

**Credit points:** 2 **Session:** Semester 2 **Classes:** 2hrs/week on-campus  
**Prerequisites:** CSCD2041 Language Impairments in Children I, CSCD2042 Language Impairments in Children II **Assumed knowledge:** CSCD2049 Introductory Clinical II **Assessment:** Two assignments (50% ea) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), UG Study Abroad Program.

Advanced concepts in the assessment of and intervention for language impairment in children.

### CSCD3037

#### Swallowing Impairments

##### Health Sciences

**Credit points:** 2 **Teacher/Coordinator:** Ms Christine Sheard **Session:** Semester 1 **Classes:** 3hrs/week on-campus **Prerequisites:** BIOS2062 Neurobiology II: Communication Disorders, BIOS1116 Speech Science I, BIOS1117 Speech Science II **Assessment:** Two exams (50% ea) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program.

Description, evaluation and intervention considerations related to clinical management of feeding and swallowing impairments in children and adults. A focus on case problem solving will be emphasised to achieve integration of theory and practical skills.

### CSCD3049

#### Audiological Management II

##### Health Sciences

**Credit points:** 2 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 2 **Classes:** 2hrs/week on-campus **Prerequisites:** CSCD2040 Audiology I **Assumed knowledge:** CSCD1029 Articulation and Phonology, CSCD2046 Audiological Management I, CSCD2041 Language Impairments in Children I **Assessment:** Mid semester assignment (30%), final exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path), B App Sc (Sp Path) Hons, B Hlth Sc (Hearing&Speech), UG Study Abroad Program.

Theoretical and clinical issues related to assessment and intervention of the communication problems of children with acquired and congenital hearing loss.

### CSCD3050

#### Intermediate Clinical IH

##### Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Classes:** Block mode or weekly placement, on and off-campus depending on availability **Prerequisites:** CSCD2040 Audiology I, CSCD2049 Introductory Clinical II, CSCD2042 Language Impairments in Children II **Assessment:** Compass, clinical paperwork **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B App Sc (Sp Path) Hons.

Students work with adult clients with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators and other students. Students are placed in the on-campus clinic for this unit of study. Students may be rostered to complete parts of this unit during the intersemester breaks.

*Textbooks*

COMPASS Resource Manual

### CSCD3051

#### Honours Research Seminar I

##### Health Sciences

**Credit points:** 2 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 1 **Classes:** 1hr/week on-campus **Assessment:** Topic review **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path) Hons, UG Study Abroad Program.

This unit is designed to assist honours students with a survey of the literature relevant to their individual research projects. At the completion of this unit each student will have prepared a written literature review for his/her research project.

### CSCD3052

#### Professional Development IIH

##### Health Sciences

**Credit points:** 1 **Teacher/Coordinator:** Ms Belinda Kenny **Session:** Semester 1 **Classes:** 1-2hrs/week on-campus **Prerequisites:** CSCD2052 Professional Development IIB, CSCD2053 Communication Fieldwork I or CSCD2048 Introductory Clinical I **Assumed knowledge:** CSCD2054 Communication Fieldwork II or CSCD2049 Introductory Clinical II **Assessment:** TAM, attendance- assessed on pass/fail basis **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path) Hons, UG Study Abroad Program.

This unit of study involves lectures, tutorials, and/or workshops on aspects of caseload management and professional issues; communication and counselling skills involved in working with adult clients and caregivers; and computer applications in clinical situations. Students continue with their accumulation of professional development experiences required for their portfolio, through involvement in relevant professional, community or clinical activities. Students are involved in the running and maintenance of the clinical tests and materials collection.

### CSCD3053

#### Intermediate Clinical IHH

##### Health Sciences

**Credit points:** 7 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Prerequisites:** CSCD2030 Voice Science and Disorders, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments, CSCD3050 Intermediate Clinical IH, BIOS2062 Neurobiology II: Communication Disorders **Assessment:** Assessment of clinical competency at mid and end of each placement **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (Sp Path) Hons.

Students assume greater responsibility for management of children and adults with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators. Students may be rostered to complete some parts of this unit during the intersemester breaks. Students also complete a four days per week, three or four-week block placement in an adult hospital clinic. This placement will occur mid year before Semester 2 and after the student has completed CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments and their Speech and Language Assessment clinic. Students work with clients, attend supervisory conferences and participate in a variety of clinical experiences.

*Textbooks*

COMPASS Resource Manual

### CSCD3054

#### Honours Research Seminar II

##### Health Sciences

**Credit points:** 1 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 2 **Classes:** 1hr/week on-campus **Prerequisites:** CSCD3051 Honours Research Seminar I **Assessment:** Ethics application (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path) Hons.

This unit is designed to assist honours students with the development of a research proposal for their individual research projects. At the completion of this unit each student will have prepared a written proposal for his/her research project.

### CSCD3055

#### Audiology II

##### Health Sciences

**Credit points:** 4 **Session:** Semester 1 **Classes:** 2-3hrs/week on-campus **Prerequisites:** CSCD2040 Audiology I **Assessment:** Three assignments (25%,

25%, 50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Hearing&Speech), UG Study Abroad Program.

Introduction to complex audiological assessment and intervention techniques for hearing impaired adults and children. This unit of study may be undertaken as an elective unit with the permission of the program coordinator.

### CSCD3056

#### Communication Fieldwork III Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2, Summer Early **Classes:** Block mode or weekly placement, on and off-campus depending on availability **Prerequisites:** CSCD2040 Audiology I, CSCD2054 Communication Fieldwork II, CSCD2042 Language Impairments in Children II **Assessment:** Project report (100%), paperwork (mandatory) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B Hlth Sc (Hearing&Speech), UG Summer/Winter School.

Students will participate in a project based placement either within the on-campus clinic or an outside agency. This placement will provide an opportunity to begin to develop skills in professional communication, professional conduct, observation, data management and professional writing.

### CSCD3057

#### Communication Fieldwork IV Health Sciences

**Credit points:** 8 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2, Summer Early **Classes:** Block mode or weekly placement, on and off-campus depending on availability **Prerequisites:** CSCD2046 Audiological Management I, CSCD3056 Communication Fieldwork III **Assessment:** Portfolio and report (100%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Hlth Sc (Hearing&Speech), UG Summer/Winter School.

Students assume increased responsibility in a project based placement either within the on-campus clinic or an outside agency. This unit of study will provide further opportunity to participate in project management and report writing. Some part of this placement may be completed either mid-year before Semester 2 or at the end of year after Semester 2. Students will also develop skills in the development of professional portfolios as they will submit a portfolio which must be deemed satisfactory to be eligible for a pass in this unit of study.

### CSCD3058

#### Auditory Perception and Processing Health Sciences

**Credit points:** 2 **Session:** Semester 1 **Classes:** 1hr/week on-campus **Prerequisites:** BIOS1118 Hearing Science, BIOS1141 Neuroscience II **Assessment:** Assignment (100%), class attendance **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Hearing&Speech), UG Study Abroad Program.

Development of auditory perception and perceptual capacities of the ear; theories of processing auditory information at both peripheral and central levels. This unit of study may be undertaken as an elective unit with the permission of the program coordinator.

### CSCD3059

#### Communication Studies Health Sciences

**Credit points:** 4 **Session:** Semester 1 **Classes:** 2hrs/week on-campus **Assessment:** Two assignments (50% ea), class attendance **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Hearing&Speech), UG Study Abroad Program.

This unit of study will explore issues in managing communication in the workplace. The unit of study will focus on verbal and written

communication and working with related technology. This unit of study may be undertaken as an elective unit with the permission of the program coordinator.

### CSCD3060

#### Readings 1 Health Sciences

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Classes:** 2-3hrs/week on-campus **Assessment:** Assignment (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award, UG Study Abroad Program.

This unit of study allows students to work with a supervisor exploring a major area of specialty in the program via readings and self directed learning. Students identified for this unit will be of a calibre to proceed to the honours program. This unit of study may be undertaken as an elective unit with the permission of the program coordinator.

### CSCD3061

#### Directed Readings Health Sciences

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Classes:** 1hr/week on-campus **Assessment:** Assignment (100%), class attendance **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Hearing&Speech).

This unit of study allows students to work with a supervisor exploring a major area of specialty in the program via readings and self directed learning. This unit of study may be undertaken as an elective unit with the permission of the program coordinator.

### CSCD3063

#### Intermediate Clinical IA Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Classes:** Block mode or weekly placement, on and off-campus depending on availability **Prerequisites:** CSCD2040 Audiology I, CSCD2042 Language Impairments in Children II, CSCD2049 Introductory Clinical II **Assessment:** CBOS, clinical paperwork **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B App Sc (Sp Path).

Students work with child clients with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators and other students. Students are placed in the on-campus clinic or equivalent for this unit of study. Students may be rostered to complete parts of this unit during the intersemester breaks. Students are rostered through the Speech and Language Assessment Clinic.

*Textbooks*

COMPASS Resource Manual

### CSCD3064

#### Intermediate Clinical IIA Health Sciences

**Credit points:** 8 **Session:** Semester 1, Semester 2 **Classes:** Block mode or weekly placement on and off-campus depending on availability **Prerequisites:** CSCD2030 Voice Science and Disorders, CSCD3023 Neurogenetics II, CSCD3037 Swallowing Impairments, CSCD3063 Intermediate Clinical IA, BIOS2062 Neurology II: Communication Disorders **Assessment:** CBOS, clinical paperwork **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (Sp Path).

Students assume greater responsibility for management of adults with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators. Students are placed in the on-campus clinic for a portion of the unit of study. Students may be rostered to complete some parts of this unit of study during the intersemester breaks. Students also complete a four days per week,

three or four-week block placement in an adult hospital clinic. This placement will occur at end-of-year after Semester 2 and after the student has completed CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments and their Speech and Language Assessment Clinic. Students work with clients, attend supervisory conferences and participate in a variety of clinical experiences.

*Textbooks*  
COMPASS Resource Manual

### CSCD3065 Intermediate Clinical IB Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Classes:** Block mode or weekly placement, on and off-campus depending on availability **Prerequisites:** CSCD2040 Audiology I, CSCD2049 Introductory Clinical II, CSCD2042 Language Impairments in Children II **Assessment:** CBOS, clinical paperwork **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B App Sc (Sp Path), UG Study Abroad Program.

Students work with adult clients with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators and other students. Students are placed in the on-campus clinic or equivalent for this unit of study. Students may be rostered to complete parts of this unit during the intersemester breaks.

*Textbooks*  
COMPASS Resource Manual

### CSCD3066 Intermediate Clinical IIB Health Sciences

**Credit points:** 8 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Classes:** Block mode or weekly placement, on and off-campus depending on availability **Prerequisites:** CSCD3065 Intermediate Clinical IB, BIOS2062 Neurobiology II: Communication Disorders, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments, CSCD2030 Voice Science and Disorders **Assessment:** CBOS, clinical paperwork **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (Sp Path).

Students assume greater responsibility for management of children and adults with a variety of communication disorders. Students also attend supervisory conferences with their clinical educators. Students are placed in the on-campus clinic for a portion of this unit of study. Students are rostered through the Speech and Language Assessment Clinic. Students may be rostered to complete some parts of this unit during the intersemester breaks. Students also complete a four days per week, three or four week block placement in an adult hospital clinic. This placement will occur mid-year before Semester 2 commences and after the student has completed CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments and their Speech and Language Assessment Clinic. Students work with clients, attend supervisory conferences and participate in a variety of clinical experiences.

*Textbooks*  
COMPASS Resource Manual

### CSCD3068 Directed Readings II Health Sciences

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Classes:** 1hr/week on-campus **Assessment:** Assignment (100%), class attendance **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Hearing&Speech), Health Sciences PG Non Award.

This unit of study allows students to work with a supervisor to explore a major area of speciality in the program via readings, seminars and self-directed learning. This unit of study may be taken as an elective unit with the permission of the program coordinator.

### CSCD3073 Readings II Health Sciences

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Classes:** 2-3hrs/week on-campus **Assessment:** Assignment (100%), class attendance **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Hearing&Speech).

This unit of study allows students to work with a supervisor exploring a major area of speciality in the program via readings and self-directed learning. Students identified for this unit will be of a calibre to proceed to the honours program. This unit of study may be taken as an elective unit with the permission of the program coordinator.

### CSCD4026 Advanced Topics A Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Tricia McCabe **Session:** Semester 1 **Classes:** On-campus, variable times depending on topic **Prerequisites:** CSCD3049 Audiological Management II, CSCD3024 Communication and Lifelong Disability, CSCD3034 Craniofacial Anomalies, CSCD3036 Language Impairments in Children III, CSCD3032 Professional Development III, CSCD3023 Neurogenics II, CSCD3037 Swallowing Impairments **Assessment:** Assignment (100%), class attendance **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path).

Students enrolled in this unit of study will be undertaking studies on-campus during Semester 1 and will select a number of separate advanced study topics from among those offered by the program in areas previously studied in speech pathology and audiology. Focus is on advanced thinking and inquiry in each topic area undertaken.

### CSCD4027 Professional Development IVA Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Belinda Kenny **Session:** Semester 1 **Classes:** 2hrs/week on-campus **Prerequisites:** CSCD3032 Professional Development III, CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB **Assessment:** Project contract (10%), progress report (10%), presentation (20%), final report (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path).

Students enrolled in this unit of study will be undertaking studies on-campus during Semester 1 and will select seminars and projects related to topics such as administration, health promotion, quality assurance, casemix, clinical education, rural health issues. Students continue to be involved in the running and maintenance of the Tests and Materials collection.

### CSCD4028 Advanced Clinical IA Health Sciences

**Credit points:** 10 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1 **Prerequisites:** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB **Assessment:** Assessment of clinical competency at mid and end of each placement **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B App Sc (Sp Path).

Students manage a varied client caseload and participate in a variety of clinical management and clinical service activities of the on-campus clinic. They participate in supervisory conferences with their clinical educators and other students. Students also participate in the Advanced Assessment Clinic and Intake Clinic.

*Textbooks*  
COMPASS Resource Manual

### CSCD4030 Advanced Topics B Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Tricia McCabe **Session:** Semester 2 **Classes:** On-campus, variable times depending on topic **Prerequisites:** CSCD3049 Audiological Management II, CSCD3024 Communication and

Lifelong Disability, CSCD3034 Craniofacial Anomalies, CSCD3036 Language Impairments in Children III, CSCD3032 Professional Development III, CSCD3023 Neurogenetics II, CSCD3037 Swallowing Impairments **Assessment:** Assignment (100%), class attendance **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path).

Students enrolled in this unit of study will be undertaking studies on-campus during Semester 2 and will select a number of separate advanced study topics from among those offered by the program in areas previously studied in speech pathology and audiology. Focus is on advanced thinking and inquiry in each topic area undertaken.

### CSCD4031

#### Professional Development IVB Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Belinda Kenny **Session:** Semester 2 **Classes:** 2hrs/week on-campus **Prerequisites:** CSCD3032 Professional Development III, CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB **Assessment:** Project contract (10%), progress report (10%), presentation (20%), final report (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path).

Students enrolled in this unit of study will be undertaking studies on-campus during Semester 2 and will select seminars and projects related to topics such as administration, health promotion, quality assurance, casemix, clinical education, rural health issues. Students will continue to be involved in the running and maintenance of the Tests and Materials collection.

### CSCD4032

#### Advanced Clinical IB Health Sciences

**Credit points:** 10 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 2 **Prerequisites:** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB **Assessment:** Assessment of clinical competency at mid and end of each placement **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B App Sc (Sp Path).

Students manage a varied client caseload and participate in a variety of clinical management and clinical service activities in the on-campus clinic. They participate in supervisory conferences on a regular basis. Students also participate in the Advanced Assessment Clinic and Intake Clinic. To be eligible to receive a pass in this unit of study, students must have satisfactorily completed their portfolios for demonstrating competency for professional association membership upon graduation and participated in a required one-day debriefing activity on-campus at the end of the semester or in other debriefing activities as agreed upon in advance by the Director of Clinical Education.

*Textbooks*

COMPASS Resource Manual

### CSCD4035

#### Advanced Clinical IH Health Sciences

**Credit points:** 22 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Prerequisites:** CSCD3053 Intermediate Clinical IIH **Assessment:** Assessment of clinical competency at mid and end of each placement **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B App Sc (Sp Path) Hons.

Students are placed in two off-campus clinic, hospital or other setting for four days per week for two 6 or 7-week blocks each or one off-campus clinic, hospital or other setting for four days per week for one 12-week block. Over the semester they manage a varied child and adult caseload, participate in a variety of clinical management, clinical service and multidisciplinary team activities and participate in supervisory conferences on regular basis.

*Textbooks*

COMPASS Resource Manual

### CSCD4036

#### Professional Development IVH Health Sciences

**Credit points:** 2 **Teacher/Coordinator:** Ms Belinda Kenny **Session:** Semester 1 **Classes:** 2hrs/week on-campus **Prerequisites:** CSCD3052 Professional Development IIH, CSCD3053 Intermediate Clinical IIH **Assessment:** Attendance, assessed on pass/fail basis **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path) Hons.

Students enrolled in this unit of study will select seminars and projects related to topics such as administration, health promotion, quality assurance, casemix, clinical education and rural health issues. Students continue to be involved in the running and maintenance of the Tests and Materials collections.

### CSCD4037

#### Advanced Clinical IIH Health Sciences

**Credit points:** 12 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1, Semester 2 **Prerequisites:** CSCD3053 Intermediate Clinical IIH **Assessment:** To be eligible to receive a pass in this unit of study, students must have satisfactorily completed their portfolios for demonstrating competency for professional association membership upon graduation and participated in a required one-day debriefing activity on-campus at the end of semester or in other debriefing activities as agreed upon in advance by the Director of Clinical Education **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B App Sc (Sp Path) Hons.

Students manage a varied client caseload and participate in a variety of clinical management and clinical service activities in the on-campus clinic. They participate in supervisory conferences. Students also participate in the Advanced Assessment and Intake Clinics.

*Textbooks*

COMPASS Resource Manual

### CSCD4038

#### Honours Thesis Health Sciences

**Credit points:** 10 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 2 **Classes:** Independent learning **Prerequisites:** CSCD3051 Honours Research Seminar I, CSCD3054 Honours Research Seminar II, satisfactory performance in all Year 3 units of study **Assessment:** Thesis (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path) Hons.

This unit provides honours students with the opportunity to undertake a supervised research project in an area of human communication sciences or disorders. As part of this and the other honours units, each student designs and implements an approved research project and submits a thesis describing the project and its implications. In completing the research and thesis, each student works closely with an academic staff member who serves as the supervisor.

### CSCD4039

#### Honours Paper I Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 1 **Classes:** Independent learning **Corequisites:** CSCD4045 Honours Thesis I **Assessment:** Thesis (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Hearing&Speech)Hons.

Each student engages in an in-depth literature review related to the area of research and prepares a comprehensive outline of the topic. Seminars support students' work.

### CSCD4040

#### Honours Paper II Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 2 **Classes:** Independent learning **Prerequisites:** CSCD4039 Honours Paper I, CSCD4045 Honours Thesis I **Corequisites:** CSCD4046 Honours Thesis II **Assessment:** Thesis (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Hearing&Speech)Hons.

The student continues the literature review related to the research project and prepares an integrated paper on the topic. Seminars support students' work.

### CSCD4042

#### Clinical Mentoring A Health Sciences

**Credit points:** 2 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1 **Classes:** Pairing with Yr 2 student in on-campus clinic placement **Corequisites:** CSCD4028 Advanced Clinical IA **Assessment:** Mentoring skills checklist, mid and end semester **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path).

This unit provides students with the opportunity to begin developing supervisory skills. Students participate in a clinical mentoring experience with beginning students in the on-campus clinic. The students are responsible for supporting and facilitating the learning of the beginning students. Students are expected to demonstrate competency in professional communication skills, team work and effective time management.

### CSCD4043

#### Clinical Mentoring B Health Sciences

**Credit points:** 2 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 2 **Classes:** Pairing with Yr 2 student in on-campus clinic placement **Corequisites:** CSCD4032 Advanced Clinical IB **Assessment:** Mentoring skills checklist, mid and end semester **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path).

This unit provides students with the opportunity to begin developing supervisory skills. Students participate in a clinical mentoring experience with beginning students in the on-campus clinic. The students are responsible for supporting and facilitating the learning of the beginning students. Students are expected to demonstrate competency in professional communication skills, team work and effective time management.

### CSCD4044

#### Clinical Mentoring H Health Sciences

**Credit points:** 2 **Teacher/Coordinator:** Ms Nadia Madonna **Session:** Semester 2 **Classes:** Pairing with Yr 2 student in on-campus clinic placement **Corequisites:** CSCD4037 Advanced Speech Pathology Clinical IIB **Assessment:** Mentoring skills checklist, mid and end semester **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Sp Path) Hons.

This unit provides students with the opportunity to begin developing supervisory skills. Students participate in a clinical mentoring experience with beginning students in the on-campus clinic. The students are responsible for supporting and facilitating the learning of the beginning students. Students are expected to demonstrate competency in professional communication skills, team work and effective time management.

### CSCD4045

#### Honours Thesis I Health Sciences

**Credit points:** 18 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 1 **Corequisites:** CSCD4039 Honours Paper I **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Hearing&Speech)Hons.

This unit of study provides the student with the opportunity to undertake a supervised research project. The student develops a research study and submits an ethics proposal.

### CSCD4046

#### Honours Thesis II Health Sciences

**Credit points:** 18 **Teacher/Coordinator:** Dr Kirrie Ballard **Session:** Semester 2 **Classes:** Independent learning **Prerequisites:** CSCD4039 Honours Paper

I, CSCD4045 Honours Thesis I **Corequisites:** CSCD4040 Honours Paper II **Assessment:** Thesis (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Hearing&Speech)Hons.

This unit of study provides the student with the opportunity to undertake a supervised research project. The student submits a thesis describing the project. In completing the research and thesis, the student works closely with an academic staff member who serves as the supervisor.

### CSCD4047

#### Advanced Clinical IIA: Adult Health Sciences

**Credit points:** 12 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 2 **Classes:** Professional Practice **Prerequisites:** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB **Assessment:** Satisfactory completion of adult clinical practice portfolio for eligibility for professional association membership upon graduation. Participation in a one day debriefing activity on-campus at the end of the semester or in other debriefing activities as agreed upon in advance by the Director of Clinical Education **Practical field work:** Clinical experience (6-7 weeks) **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B App Sc (Sp Path).

Students are placed in one off-campus clinic, hospital, or other settings for four days per week for one 6-7 week block. Over the semester they manage a varied adult client caseload, participate in a variety of clinical management, clinical service and multidisciplinary team activities and participate in supervisory conferences on a regular basis.

*Textbooks*

COMPASS Resource Manual

### CSCD4048

#### Advanced Clinical IIA: Child Health Sciences

**Credit points:** 12 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 2 **Classes:** Professional Practice **Prerequisites:** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB **Assessment:** Satisfactory completion of child clinical practice portfolio for eligibility for professional association membership upon graduation. Participation in a one day debriefing activity on-campus at the end of the semester or in other debriefing activities as agreed upon in advance by the Director of Clinical Education **Practical field work:** Clinical experience (6-7 weeks) **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B App Sc (Sp Path).

Students are placed in one off-campus clinic, hospital, or other settings for four days per week for one 6-7 week block. Over the semester they manage a varied child client caseload, participate in a variety of clinical management, clinical service and multidisciplinary team activities and participate in supervisory conferences on a regular basis.

*Textbooks*

COMPASS Resource Manual

### CSCD4049

#### Advanced Clinical IIB: Adult Health Sciences

**Credit points:** 12 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1 **Classes:** Professional Practice **Prerequisites:** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB **Assessment:** Assessment of clinical competency at mid and end of each placement **Practical field work:** Clinical placements (6-7 weeks) **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B App Sc (Sp Path).

Students are placed in one off-campus clinic, hospital, or other setting for four days per week for one 6-7 week block. Over the semester they manage a varied adult caseload, participate in a variety of clinical management, clinical service, multidisciplinary team activities and participate in supervisory conferences on a regular basis.

*Textbooks*

COMPASS Resource Manual

### CSCD4050

#### Advanced Clinical IIB: Child

### Health Sciences

**Credit points:** 12 **Teacher/Coordinator:** Dr Alison Purcell **Session:** Semester 1 **Classes:** Professional Practice **Prerequisites:** CSCD3064 Intermediate Clinical IIA or CSCD3066 Intermediate Clinical IIB **Assessment:** Assessment of clinical competency at mid and end of each placement **Practical field work:** Clinical placements (6-7 weeks) **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B App Sc (Sp Path).

Students are placed in one off-campus clinic, hospital, or other setting for four days per week for one 6-7 week block. Over the semester they manage a varied child caseload, participate in a variety of clinical management, clinical service, multidisciplinary team activities and participate in supervisory conferences on a regular basis.

#### *Textbooks*

COMPASS Resource Manual



# University undergraduate units of study – D

## DAAE2001

### 20th Century Australian Architecture Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Mr Trevor Howells **Session:** Semester 2 **Classes:** 3 hrs/wk **Assessment:** One seminar presentation and one 3000 word essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

The unit will introduce students to a range of architectural styles and aspirations in Australia. Lectures and seminars will cover key buildings representative of their period. At the conclusion, students will be familiar with a range of styles and their characteristics. They will undertake individual self-directed research and learn how to record and present the results of this research. Students will also acquire an appreciation of the ideals and aspirations that support the architectural styles examined, and how these are related to wider social and cultural movements.

On successful completion of this unit, students will be able to demonstrate: a familiarity with a range of Australian buildings and styles. Site tours will examine specific buildings, and these will be recorded in a site visit log; the ability to research, record and present a specific building in Sydney; the ability to link a specific building to other works of a similar style and period. This will be assessed in the seminar presentation and in the submitted essay.

This unit is an Architecture Elective in the Bachelor of Design in Architecture and elective in other courses. Contact hours: 3 hours per week. Class preparation: 1 hour per week. Assessment preparation: 26 hours per semester.

## DAAE2002

### Architecture, Place and Society Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Anna Rubbo **Session:** Semester 1 **Classes:** 3 hours per week **Assessment:** two assignments: a) a 1500 word essay and b) a group or individual project requiring a research proposal, fieldwork, presentation, and reflection. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

This unit aims to investigate the relationship between architecture, place and society and to explore the meaning of cultural and social sustainability in architectural design. The unit assumes that designers will increasingly work in places where cultures are unfamiliar at home or in a global context, and that an ability to understand, and interpret, diverse cultures, and the way design occurs in diverse locations, is an important area of knowledge for designers. A key aspect of social sustainability is the practice of social responsibility, and the unit explores how this may occur, including involving people in the design process.

On completion of this unit students will be able to demonstrate: an ability to better understand the connections between architecture place and society, and the social, cultural, political and economic factors affecting sustainable environments; skills and knowledge in participatory processes necessary for effective communication about environmental design issues; increased critical awareness about social responsibility in relation to the practice of architecture and the design of the built environment, and an ability to exercise this awareness.

This unit will provide architecture students with knowledge of the relationship between culture and architecture, as well as practical knowledge of the social aspects of design practice. It is intended that students from other disciplines will develop a critical awareness of the

built environment as a form of cultural production, and the possibilities for their participation in its production.

This unit is an Architecture Elective in the Bachelor of Design in Architecture and elective in other courses. Contact hours: 3 hours per week. Class preparation: 1 hour per week. Assessment preparation: 26 hours per semester.

## DAAE2004

### Housing for Health Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Mr Col James **Session:** Semester 1 **Classes:** Intensive delivery mode: 12 hours **Assessment:** Assignment 1 - Protocol and question form: 15%. Assignment 2 - Report: 75%. Attendance and participation: 10%. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

Upon successful completion students will demonstrate: evidence of reading recommended texts and reporting on health-housing theory; completion of specific tasks in the measurement performance of household plumbing and electrical services and fittings against stated standards; completion of Healthhabitat data sheets and logging into Healthhabitat analysis programs to deliver work sheets for licensed plumbers and electricians; comprehension through report writing on the analyses of data, house fixing procedures and independent observations of other health risks, specifically for householders' information requiring regular maintenance and user practices.

This unit is an Architecture Elective in the Bachelor of Design in Architecture and elective in other courses. Intensive delivery mode: 12 hours. Fieldwork, reading and preparation: 26 hours. Task research, preparation and documentation.

## DAAE2005

### Designing with Colour 1 Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Terry Purcell **Session:** Semester 1, Summer Early, Winter Main **Classes:** Online delivery through WebCT **Assumed knowledge:** DESA1004 **Assessment:** The assessment for the unit involves an assignment that is divided into three parts each related to the three areas of knowledge presented in the unit. The three parts carry equal weighting in terms of marks. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program, UG Summer/Winter School.

The aims of the unit are: (1) To make participants aware that any design decision that involves a physical material involves a decision about colour, and the consequences of this fact. This also applies to the design of digital environments. (2) To present participants with research based information about colour and associated topics that can be used in design. This information falls into three main areas. The first relates to the basics of colour vision and includes the structure of the world of colour we experience, colour mixing, colour measurement and specification. The second area deals with relationships between areas of colour and focuses on colour contrast and colour preference and the relationship between contrast and preference. The third area is concerned with the limits on human information processing and how this will effect the response to the number of colours used in a colour design. (3) To demonstrate to participants how that information can be used to understand experiences associated with specific examples of environments and the particular physical attributes of the examples associated with the



experiences. (4) To teach participants basic skills in using the image processing program Photoshop. (5) To have participants use those skills and their knowledge about colour experience in colour design exercises that form the basis for the assignments and the assessment in the unit.

The objectives of the assessment procedure are to have participants demonstrate their understanding of the knowledge presented in each of the areas of the unit and their ability to use that knowledge by: developing designs that achieve defined outcomes by embodying that knowledge in the design; by critically discussing how the designs embody the knowledge to achieve those outcomes; and by specifically linking those outcomes to the attributes of the colours that are used in the design.

To preview the material in the course go to: <http://people.arch.usyd.edu.au/~terry/DAAE2005/>

## DAAE2006

### Designing with Colour 2

#### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Terry Purcell **Session:** Semester 2 **Classes:** Online through WebCT **Prerequisites:** DAAE2005 **Assessment:** The assessment for the unit involves an assignment that is divided into three parts related to the three areas of knowledge presented in the unit each of which carries equal weighting in terms of marks. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.*

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program, UG Summer/Winter School.

Participants are presented with the results of the extensive research into affective responses to colour. These affective experiences can be divided into three main areas. These are first the warmth or coolness of colours, second whether colours are exciting or calming, and third the potency of colours and colour harmony.

The results of this research are related to the colour model developed by the Swedish Colour Institute to allow the use of the research results in the development of colour designs.

As with the other units in this series participants are expected to understand this material and to know how it can be used to analyse the experiences associated with specific examples. This is facilitated by the detailed analysis of examples as a part of the unit content.

The objectives of the assessment procedure are to have participants demonstrate their understanding of the knowledge presented in each of the areas of the unit and their ability to use that knowledge by: developing designs that achieve defined outcomes by embodying that knowledge in the design; by critically discussing how the designs embody the knowledge to achieve those outcomes; and by specifically linking those outcomes to the attributes of the colours that are used in the design.

To preview the material in the course go to: <http://people.arch.usyd.edu.au/~terry/DAAE2006/>

## DAAE2007

### Introduction to Project Management

#### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr David Leifer **Session:** Semester 2 **Classes:** 3 hours per week **Assessment:** Two assignments and an Examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

This unit of study will introduce students to the underpinning knowledge and skills in all 9 areas of project management, viz. the management of project scope, time, cost, quality, human resources, communications, risk, procurement and integration. It will differentiate project life cycles from facility life cycles.

In this unit the application of project management principles to the achievement of different deliverables needed in all phases of the facility life cycle will be addressed. The unit will provide practical examples and opportunities to apply the fundamentals to a range of

simple projects in architecture, design, building and construction fields. The major focus is to obtain an awareness and understanding of the fundamental skills needed by designers to deliver a project. On successful completion of this unit, students will be able to: demonstrate knowledge of project management fundamentals; conceptually apply the project management fundamentals to other project types and endeavors; use tools and techniques of scope, time, cost, quality, human resources, communications, risk, procurement and integration.

Knowledge of project management fundamentals will be assessed through an end of semester examination. Ability to apply project management fundamentals will be assessed by assignments. Student's effectiveness in working within a group and their ability to lead and manage will be assessed through reflective learning assignments where relevant. Group presentation will be demonstrated as part of the communications knowledge area.

This unit is an Architecture Elective in the Bachelor of Design in Architecture and elective in other courses. Contact hours: 3 hours per week. Class preparation: 1 hour per week. Assessment preparation: 26 hours per semester.

#### Textbooks

Burke.R (2007) Introduction To Project Management ISBN:0-9582-733-3-2

## DAAE2008

### Innovative Building Structures

#### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** D J Gunaratnam **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** DESA2111 **Assessment:** Case Study & Modelling assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

This unit engages students in detailed studies of innovative building structures, both the design and construction, and modelling techniques for structural synthesis. The unit initially investigates a number of innovative building structural designs and construction methods and processes, through case studies, and explores issues and factors that contribute to the innovative solutions. Modelling techniques are then introduced and their uses in the synthesis and analysis of innovative building structures are explored in-depth. Students are provided with experience in the computer and physical modelling of some of the advanced structures arising in the case studies.

The unit is organised around three major topics as follows:

(1) Innovative structural design: Discusses the differences between routine and innovative structural design, and identifies a set of dimensions along which the innovativeness of a structural design can be assessed. These dimensions form the basis for studying the developments in structural design to-date and for evaluating existing structural designs for their innovativeness. It also explores the different design requirements and decision criteria that lead to innovative structural solutions, in building designs, through a number of case studies.

(2) Modelling techniques: Introduces and provides the bases for a number of computer modelling techniques for advanced structures that can be used to analyse and design innovative structures. Discusses some of their limitations and explores the current developments in computational models and techniques, specifically aimed at facilitating innovative designs. Some of the physical modelling techniques and their usefulness in the exploration of innovative structural solutions are also considered.

(3) Innovative Construction: Explores construction requirements and decision criteria that lead to innovation in construction methods and processes, through selected case studies. Discusses the interactions between the innovations in structural design and in construction methods and processes.

Students are expected to be able to demonstrate a high level of competence in investigating and presenting case studies on structural design and construction, to identify and evaluate issues and factors that contribute to innovative structural solutions in case studies, to determine the relevance of the various advanced structural modelling

techniques for a given building design and to demonstrate a high level of competence in computer and physical modelling of structures

A case study assignment is used to assess the student's competence in investigating and presenting case studies and being able to identify and evaluate issues and factors contributing to innovative structural solutions. A two part modelling assignment is used to assess the competence in selecting suitable models for structural synthesis, for a given set of requirements and design criteria.

This unit is an Architecture Elective in the Bachelor of Design in Architecture and elective in other courses. Contact hours: 3 hours per week. Class preparation: 1 hour per week. Assessment preparation: 26 hours per semester.

### DAAE3001

#### Sustainable Architectural Practice Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Prof Richard Hyde **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** DESA2111 **Assessment:** Group study, individual research paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

The unit of study begins by exploring the concept of ecologically sustainable design as it applies to architectural practice and defines those key attributes of buildings which make them sustainable. The second part of the unit discusses the implication of applying sustainable design principles upon contemporary architectural practice. Potential new design paradigms are explored which could lead to more sustainable design practice in the future.

At the end of the unit of study students will be expected to: have explored the form making and space making potential of sustainable design principles by critically examining relevant contemporary architecture; demonstrate their ability to locate relevant published literature on sustainable architecture and to critically examine and discuss it in relation to the themes explored in the unit of study; demonstrate their ability to critique key recent buildings claimed by their designers to be sustainable and to evaluate these claims against established sustainable design principles; enunciate a personal position on the impact on applying sustainable design principles on future design practice.

On the successful completion of this unit of study students will have demonstrated: competence at critically evaluating buildings which their designers have claimed to be sustainable through a series of case studies performed in small groups; their ability to formulate and articulate a written response to a series of propositions developed in lectures addressing the impact of sustainability issues on future architectural practice.

This unit is an Architecture Elective in the Bachelor of Design in Architecture and elective in other courses. Contact hours: 3 hours per week. Class preparation: 1 hour per week. Assessment preparation: 2 hours per week.

### DAAP3001

#### Contemporary Architecture and Theory Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Chris Smith **Session:** Semester 1 **Classes:** 3 hours per week **Corequisites:** DESA3001 **Assessment:** Attendance; submission of text and material engagement assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Des Arch, UG Study Abroad Program.

The unit will consider architecture as the complex assemblage of material practices and theory. Students will be introduced to some of the key lines of thought that have impacted on architectural processes of the first decade of the 21st Century and the ways in which architectural production has responded and contributed to those lines. Students will become familiar with contemporary theoretical concepts and the architectural design processes associated with those concepts. On successful completion of this unit students will have demonstrated: a familiarity of the relationship between theory and material practices; a familiarity with the concepts and architectures presented, and; an

ability to respond critically to conceptual notions and material practices. The demonstration will take the form of specific material engagements and textual analysis.

This unit is a Master of Architecture prerequisite in Bachelor of Design in Architecture. Contact hours: 3 hours per week. Class preparation: 1 hour per week. Assessment preparation: 26 hours per semester.

### DAAP3002

#### Architectural Technologies Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr D Gunaratnam **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** DESA3001 **Corequisites:** DESA3002 **Assessment:** Assignments (one of which is integral with another assessment task in DESA3002) & examination. Failure in any single module equates to failure in the overall unit of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Des Arch, UG Study Abroad Program.

The unit of study develops knowledge about structural and environmental control systems for medium scale non domestic buildings.

The environmental module explores sustainable environmental control technologies suitable for medium scale buildings focussing upon the integration of these technologies with constructional and structural systems and the design of the building fabric as an environmental filter. Thermal controls such as heating systems, mechanical ventilation, natural ventilation and air conditioning are studied along with electric lighting and acoustic control systems.

At the end of the unit students will be expected to formulate environmental control requirements for a medium scale building, generate and justify appropriate sustainable environmental control strategies and evaluate the performance of these strategies using appropriate analytical procedures.

The structures module is organised around three major sections: Structural Design Process, Structural Design Codes and Structural Design Information. Under Structural Design Process, the formulation of structural design requirements arising from functional, behavioural and constructional constraints is initially discussed. Then a procedure for systematically generating feasible alternative structural systems is presented. Finally the process for the evaluation of the alternative structural systems based on a set of decision criteria, to arrive at the final optimum design, is discussed. Under structural design codes, the structural design philosophies which form the basis for structural design codes are initially described, and then the provisions in the material codes for the approximate determination of design actions, and procedures for the design of typical structural elements are considered. The Structural Design Information section introduces a number of structural design aids for the selection of structural systems and for the approximate sizing of structural elements.

At the end of the unit students should be able to collect appropriate information and formulate the structural design requirements for a medium-scaled building, generate a number of alternative structural systems that satisfy these design requirements, evaluate them based on a set of decision criteria and arrive at a full description of the final structural design.

On the successful completion of this unit of study students will have demonstrated:

(1) In the environmental module: competence in formulating and justifying appropriate sustainable environmental control strategies via a report based upon, and forming part of the submission for, the major design project in DESA3002; competence in evaluating their chosen strategies utilising model studies, computation and other analytical and evaluative tools.

(2) In the structural module: competence at enunciating and justifying their decision making process in an assignment based on the final design project (DESA3002); their knowledge in making a range of structural decisions for a new building design in an open book examination.

This unit is a Bachelor of Architecture prerequisite in Bachelor of Design in Architecture. Contact hours: 4 hours per week. Class

preparation: 1 hour per week. Assessment preparation: 1 hour per semester.

### DECO1006

#### Understanding Design & Cognition Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Mike Rosenman **Session:** Semester 1 **Classes:** 3 hours per week **Prohibitions:** DECO1004 **Assessment:** 4 written assignments and a protocol analysis report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Des Arch, B S T, UG Study Abroad Program.

This unit of study aims to give the student an understanding of design as a general activity in its own right, comparative to other activities such as science and art. It aims to stress the importance of design (and its consequences) as an activity concerned with changing the state of the existing environment through a set of conscious and purposeful actions. It aims to demonstrate that the study of the design process can be undertaken in a general manner independent of any discipline through the study of design methodology and design cognition.

On the successful completion of this unit of study, students will have demonstrated: an understanding of the importance and generality of design as an activity by having them reflect on the nature of design across the various disciplines and its relation to other activities such as Science and Art; an awareness of the knowledge and processes involved in design and to apply such knowledge and processes in their approach to design, as for example in the Design Studio. This awareness is reinforced by the assignments that are designed to make students think about design objects in a more analytical fashion as well as assessing their understanding of material presented; an understanding of how designers think and acquire a methodology to study designers. This is reinforced by assignments which require students to study designers and report on their observations; an understanding of the issues involved in design thinking research and gain a knowledge of methods for studying design thinking; an understanding of the need for critical examination and both objective and subjective analysis and judgement through the reports submitted.

This unit is core in the Bachelor of Design Computing and elective in other programs. Student effort expected for an average student to achieve a pass level result: 3 hours per week contact hours; 1.5 hours per week class preparation; 19 hours per semester assessment preparation.

### DECO1008

#### 3D Modelling Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Xiangyu Wang **Session:** Semester 2 **Classes:** Three hours per week **Prohibitions:** DECO2103 **Assessment:** Tutorial exercises and two Project submissions. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This unit is for BDesComp and BST students only. Others may enrol in DECO2103.*

**Associated degrees:** B Des Comp, B S T, UG Study Abroad Program.

This unit aims to give the student an understanding of the basic concepts of modelling and presentation so that they will develop skills in creating and using 3D models for various design tasks.

On the successful completion of this unit of study, students will have: demonstrated an understanding of how physical objects are represented in 3D digital models by modelling various 3D geometric entities and processes required; demonstrated critical judgment, be capable of rigorous and independent thinking and use appropriate information technology techniques to communicate their knowledge through the production of efficient design presentations and documentation; an understanding of boundary representations, solid modelling, parametric models, texture mapping, light sources, camera locations and projections, and model constraints through model development and presentation; acquire skills in using a 3D modelling system for 2D and 3D objects and in creating photorealistic images, movies, VR scenes, and simple animations from 3D models that accurately describe design variations, intent, and structure. These

skills will be assessed through the tutorial exercises and the submission of a portfolio of 3D models.

This unit is core in the Bachelor of Design Computing. Student effort expected for an average student to achieve a pass level result: 3 hours per week contact hours; 1.5 hours per week class preparation; 19 hours per semester assessment preparation.

### DECO1012

#### Design Programming Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Rob Saunders **Session:** Semester 1 **Classes:** Three hours per week. **Prohibitions:** DECO2011, SOFT1001 **Assessment:** Individual assignment using an individual electronic sketchbook API; Group project using Java on a task in a design domain; Quizzes on (1) implementation of software in Java, and (2) Software design and development processes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Des Comp, UG Study Abroad Program.

This unit aims to teach students an understanding of the stages involved in the development of software for design computation; skills in the design and implementation of software for design tasks and in the team development of software.

On the successful completion of this unit of study, students will have demonstrated: skills in using software tools to build interactive, visual design applications through individual and group programming assignments; knowledge of object-oriented programming concepts through individual and group programming assignments; implementation techniques such as editing, using libraries, team programming, and compilation and runtime environments through individual and group programming assignments; knowledge of the Java programming language including: classes, methods, object creation, instance and local variables, primitive and object types, simple I/O, and control flow through individual and group programming assignments; knowledge of software design and development processes including analysis of requirements, design of classes, software lifecycles, and managing software projects through group programming assignments.

This unit is core of Bachelor of Design Computing. Student effort expected for an average student to achieve a pass level result: Contact hours: 3 hours per week; Class preparation: 3 hours per week; Assessment preparation: 19 hours per semester.

### DECO1013

#### Sound Design and Sonification Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Densil Cabrera **Session:** Semester 2 **Classes:** Three hours per week. **Prohibitions:** DECO2012 **Assessment:** Tutorial exercises, design projects. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment limited by teaching resources. Permission required unless enrolled in the Bachelor of Design Computing or the BST. Other students may apply directly to the Faculty of Architecture, Design and Planning for a place.*

**Associated degrees:** B Des Comp, UG Study Abroad Program.

This unit introduces sound as a design medium, with an emphasis on computer-based implementations; real world acoustical phenomena and psychoacoustics provide an approach for sound design; understanding of conceptual topics, including sound/image interaction, text and speech, auditory display, source streaming and segregation, functions for music and spatial audio are developed; technical and technological issues, e.g. data formats and interfaces will be addressed; students will explore methodologies for abstract information sonification and responsive sonic representations for interactive installation spaces and sensate environments; generative techniques, including evolutionary and genetic algorithms, Artificial Life and stochastic computational processes for creating new sound designs are investigated; this unit considers the contribution of sound design to ambient music, interactive responses and way finding cues in interactive virtual environments.

On the successful completion of this unit of study, students will have demonstrated: knowledge of responsive interaction and sound design to a range of contexts through design projects; application of

conceptual knowledge using current sensate, interactive and virtual environment technologies through design projects; skills in computer-based implementation of sound design key principles through tutorial exercises; understanding of sound design, especially in relation to interactive contexts, links to virtual environment design, the digital design studio and sound utilised in interactive multimedia through design projects; understanding of the transformation of abstract data into sonification (shares a conceptual grounding with information visualization) through design projects.

This is a core unit in the Bachelor of Design Computing. Student effort expected for an average student to achieve a pass level result: contact hours: 3 hours per week; class preparation: 1.5 hours per week; assessment preparation: 19 hours per semester.

### DECO1100

#### Digital Design Studio

##### Architecture, Design and Planning

**Credit points:** 12 **Session:** Semester 1 **Classes:** Lectures and studio. 12 hours per week. **Prohibitions:** DECO1011 **Assessment:** Tutorial submissions, preliminary design reports, final design presentation and report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Core unit for Bachelor of Design Computing. BST students by permission. Enrolment is limited by teaching resources.*

**Associated degrees:** B Des Comp, B S T, UG Study Abroad Program.

In studying this unit, students will: develop an understanding of how to conceptualise and communicate design concepts through image, shape, lines, colour, composition, morphing, layout, and text; be introduced to digital image representation and technology through design projects; become proficient with the elements of digital design technology including digital images, vector graphics, font, montage, photography; develop skills in digital imaging software such as Photoshop, and graphical layout software such as Illustrator; and develop experience with significant digital design issues.

On the successful completion of this unit of study, students will have demonstrated skills in sourcing, developing, and designing a range of digital media content through a series of tutorial exercises; knowledge of digital design through the incremental development of a series of design projects; knowledge of how to incorporate frame-based animation and morphing with their digital designs through tutorial exercises.

This unit is a core studio in the Bachelor of Design Computing program. This unit is a foundation for knowledge of image design and digital media design techniques. Student effort expected for an average student to achieve a pass level result: Contact hours: 12 hours per week; Class preparation: 9 hours per week; Assessment preparation: 39 hours per semester.

### DECO2010

#### Collaborative Virtual Environments

##### Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** DECO1100 or DECO (2101 and 2102) or INFO (1000 or 1003) **Prohibitions:** DECO2005 **Assessment:** Tutorial exercises, collaborative project, individual written reports, oral presentations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Bachelor of Design Computing students.*

**Associated degrees:** B Arch, B Des Arch, B Des Comp, B S T, UG Study Abroad Program.

The aim of this unit is to impart to students an understanding of the similarities and differences of computer-mediated and face-to-face communication; skills in the use of collaborative tools such as email, shared whiteboards, bulletin boards, video conferences and shared modelling environments.

On the successful completion of this unit of study, students will have demonstrated: an understanding of synchronous and asynchronous communication technologies through the collaborative project report; an understanding of communication and representation of design data in a computer mediated collaborative design project in the development

of the collaborative project report; skills in using collaborative technologies in the tutorial exercises.

This unit is core for Bachelor of Design Computing and elective for other programs. Student effort expected for an average student to achieve a pass level result: Contact hours: 3 hours per week; class preparation: 1.5 hours per week; assessment preparation: 19 hours per semester.

### DECO2011

#### Design Programming

##### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Rob Saunders **Session:** Semester 1 **Classes:** 3 hours per week **Prohibitions:** SOFT1001, DECO1012 **Assessment:** Individual assignment using an individual electronic sketchbook API; Group project using Java on a task in a design domain; Quizzes on (1) implementation of software in Java, and (2) Software design and development processes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit will not run beyond 2009. Classes run with DECO1012. Bachelor of Design Computing students only.*

**Associated degrees:** B Arch, B Des Arch, B S T, UG Study Abroad Program.

This unit aims to teach students an understanding of the stages involved in the development of software for design computation; skills in the design and implementation of software for design tasks and in the team development of software.

On the successful completion of this unit of study, students will have demonstrated: skills in using software tools to build interactive, visual design applications through individual and group programming assignments; knowledge of object-oriented programming concepts through individual and group programming assignments; implementation techniques such as editing, using libraries, team programming, and compilation and runtime environments through individual and group programming assignments; knowledge of the Java programming language including: classes, methods, object creation, instance and local variables, primitive and object types, simple I/O, and control flow through individual and group programming assignments; knowledge of software design and development processes including analysis of requirements, design of classes, software lifecycles, and managing software projects through group programming assignments.

This unit is core of Bachelor of Design Computing. Student effort expected for an average student to achieve a pass level result: Contact hours: 3 hours per week; Class preparation: 3 hours per week; Assessment preparation: 19 hours per semester.

### DECO2012

#### Sound Design and Sonification

##### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Densil Cabrera **Session:** Semester 2 **Classes:** Lectures, tutorials and lab sessions, 3 hours per week **Prohibitions:** DECO1013 **Assessment:** tutorial exercises, design projects. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit will not run beyond 2009. Classes run with DECO1013. Bachelor of Design Computing students only.*

**Associated degrees:** B Des Comp, B S T, UG Study Abroad Program.

This unit introduces sound as a design medium, with an emphasis on computer-based implementations; real world acoustical phenomena and psychoacoustics provide an approach for sound design; understanding of conceptual topics, including sound/image interaction, text and speech, auditory display, source streaming and segregation, functions for music and spatial audio are developed; technical and technological issues, e.g. data formats and interfaces will be addressed; students will explore methodologies for abstract information sonification and responsive sonic representations for interactive installation spaces and sensate environments; generative techniques, including evolutionary and genetic algorithms, Artificial Life and stochastic computational processes for creating new sound designs are investigated; this unit considers the contribution of sound design

to ambient music, interactive responses and way finding cues in interactive virtual environments.

On the successful completion of this unit of study, students will have demonstrated: knowledge of responsive interaction and sound design to a range of contexts through design projects; application of conceptual knowledge using current sensate, interactive and virtual environment technologies through design projects; skills in computer-based implementation of sound design key principles through tutorial exercises; understanding of sound design, especially in relation to interactive contexts, links to virtual environment design, the digital design studio and sound utilised in interactive multimedia through design projects; understanding of the transformation of abstract data into sonification (shares a conceptual grounding with information visualization) through design projects.

This is a core unit in the Bachelor of Design Computing. Student effort expected for an average student to achieve a pass level result: contact hours: 3 hours per week; class preparation: 1.5 hours per week; assessment preparation: 19 hours per semester.

### DECO2013

#### Generative Design Systems Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three hours per week  
**Prerequisites:** DECO2011 or SOFT1001 **Prohibitions:** DECO2601, DECO2602, DECO2603 **Assessment:** Three programming assignments and reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit will not run beyond 2009. Bachelor of Design Computing students only.*

**Associated degrees:** B Arch, B Des Arch, B Des Comp, B S T, UG Study Abroad Program.

The aim of the unit is to teach students an understanding of a range of algorithms that can automatically generate designs, such as genetic algorithms, simulated annealing, shape grammars, and swarm intelligence.

On the successful completion of this unit of study, students will have demonstrated: knowledge of the use of an existing generative program to generate a family of designs and report on how the algorithm works through the programming assignment and report; knowledge of how to extend a selected program by using scripting to address specific design goals and forms through the programming assignment and report; skills in implementing a generative design system through the programming assignment and report.

This unit is core in the Bachelor of Design Computing. Student effort expected for an average student to achieve a pass level result: contact hours: 3 hours per week; class preparation: 1.5 hours per week; assessment preparation: 19 hours per semester.

### DECO2101

#### Digital Image Design & Representation Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Petra Gemeinboeck **Session:** Semester 1 **Classes:** Lectures and computer labs, 3 hours per week  
**Prohibitions:** DECO1001, DECO1100 **Assessment:** Tutorial submissions, Individual project submissions **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Places in this unit are limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. Bachelor of Design Architecture students will receive preference. Not available in the Bachelor of Design Computing.*

**Associated degrees:** B Arch, B Des Arch, B S T, UG Study Abroad Program.

In studying this unit, students will: be introduced to digital image representation and technology; become proficient with the elements of digital design technology including digital images, vector graphics, font, montage, photography; develop skills in digital imaging software such as Photoshop, and graphical layout software such as Illustrator.

On the successful completion of this unit of study, students will have demonstrated: skills in sourcing, developing, and designing a range of digital media content through a series of tutorial exercises;

knowledge of how to incorporate frame-based animation and morphing with their digital designs through tutorial exercises.

This unit is part of the Digital Architecture stream in the Bachelor of Design in Architecture. Not available in the Bachelor of Design Computing. Elective in other programs. Student effort expected for an average student to achieve a pass level result: contact hours: 3 hours per week; class preparation: 1.5 hours per week; assessment preparation: 19 hours per semester.

### DECO2102

#### Interactive Multimedia Design Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three hours per week  
**Prerequisites:** DECO2101 **Prohibitions:** DECO1002, DECO2002, DECO1200 **Assessment:** Tutorial submissions, preliminary design reports, final design presentation and report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Places in this unit are limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. Bachelor of Design Architecture students will receive preference. Not available in the Bachelor of Design Computing.*

**Associated degrees:** B Arch, B Des Arch, B S T, UG Study Abroad Program.

This unit introduces interactivity and multimedia through design projects; students will develop narrative and storytelling through nonlinear interactive multimedia; elements of interaction design including menus, hotspots, screen design, motion, animation and sound integration will be addressed for various media, including the Internet, CD-ROMs, kiosks, interactive TV, broadcast media and DVD; management and organisation of interaction through storyboarding and prototyping will cultivate methodologies for responding to a brief; software used includes Director, Flash, Dreamweaver.

On the successful completion of this unit of study, students will have demonstrated: the application of knowledge of interaction design to a range of contexts, for the Internet and standalone media, through project submissions; knowledge of narrative and engagement in nonlinear interactive contexts through project submissions; knowledge of scripting and markup languages for enabling dynamic content and interactive designs, e.g. Lingo, ActionScript, HTML, JavaScript through tutorial exercises; understanding of interaction developed using mouse, keyboard, computer and traditional interfaces through tutorial exercises.

This unit is part of the Digital Architecture stream in the Bachelor of Design in Architecture. Not available in the Bachelor of Design Computing. Elective in other programs. Student effort expected for an average student to achieve a pass level result: contact hours: 12 hours per week; class preparation: 9 hours per week; assessment preparation: 39 hours per semester.

### DECO2103

#### 3D Modelling Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Marc Aurel Schnabel **Session:** Semester 2 **Classes:** 3 hours per week **Prohibitions:** DECO1008 **Assessment:** Tutorial exercises and two project submissions. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Places in this unit are limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. Bachelor of Design Architecture students will receive preference. Not available in the Bachelor of Design Computing.*

**Associated degrees:** B Des Arch, UG Study Abroad Program.

This unit aims to give the student an understanding of the basic concepts of modelling and presentation so that they will develop skills in creating and using 3D models for various design tasks.

On the successful completion of this unit of study, students will have demonstrate: an understanding of how physical objects are represented in 3D digital models by modelling various 3D geometric entities and processes required; critical judgment, be capable of rigorous and independent thinking and use appropriate information technology techniques to communicate their knowledge through the

production of efficient design presentations and documentation; an understanding of boundary representations, solid modelling, parametric models, texture mapping, light sources, camera locations and projections, and model constraints through model development and presentation; acquire skills in using a 3D modelling system for 2D and 3D objects and in creating photorealistic images, movies, VR scenes, and simple animations from 3D models that accurately describe design variations, intent, and structure. These skills will be assessed through the tutorial exercises and the submission of a portfolio of 3D models.

This unit is part of the Digital Architecture stream in the Bachelor of Design in Architecture. Not available in the Bachelor of Design Computing. Elective in other programs. Student effort expected for an average student to achieve a pass level result: contact hours: 3 hours per week; class preparation: 1.5 hours per week; assessment preparation: 19 hours per semester.

## DECO2200

### Interaction Design Studio

#### Architecture, Design and Planning

**Credit points:** 12 **Teacher/Coordinator:** Dr Andy Dong **Session:** Semester 2 **Classes:** 12 hours per week **Prerequisites:** DECO1100 **Prohibitions:** DECO1200 **Assessment:** Tutorial submissions, preliminary design reports, final design presentation and report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Core unit for the Bachelor of Design Computing. BST students by permission. Enrolment is limited by teaching resources.*

**Associated degrees:** B Des Comp, UG Study Abroad Program.

This unit introduces interactivity and multimedia through design projects. Students will develop narrative and storytelling through non-linear interactive multimedia. Elements of interaction design including menus, hotspots, screen design, motion, animation and sound integration will be addressed for various media, including the Internet, CD-ROMs, kiosks, interactive TV, broadcast media and DVD. Management and organisation of interaction through storyboarding and prototyping will cultivate methodologies for responding to a brief. Software used includes Director, Flash, Dreamweaver.

On the successful completion of this unit of study, students will have demonstrated: the application of knowledge of interaction design to a range of contexts, for the Internet and standalone media, through the design project; knowledge of narrative and engagement in non-linear interactive contexts through the design project; knowledge of scripting and markup languages for enabling dynamic content and interactive designs, e.g. Lingo, ActionScript, HTML, JavaScript through tutorial exercises; understanding of interaction developed using mouse, keyboard, computer and traditional interfaces leads to further HCI using innovative methods of interaction in the 3rd year Interface Design Studio.

Contribution to program: this unit is core in the Bachelor of Design Computing program. This UoS builds on knowledge of image design and foundational digital media design techniques introduced in the Digital Design Studio, integrating and applying this knowledge in the context of interactive multimedia, augmenting scripting and interaction design understanding. This unit develops interaction narrative, engagement, curiosity and design methods using the computer interface. This unit lays the groundwork for scripting interactivity using web-based and standalone technologies. It leads on to the subsequent Interface Design Studio which further pursues interaction, moving to mobile, wireless, haptic and spatial sensate interfaces.

Student effort expected for an average student to achieve a pass level result: contact hours: 12 hours per week; class preparation: 9 hours per week; assessment preparation: 39 hours per semester.

## DECO2204

### Principles of AutoCAD

#### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Paul Murty **Session:** Semester 2 **Classes:** Initiating lecture, with self directed on-line information transfer, augmented by weekly in-lab question and answer sessions, in most weeks. **Assessment:** Basic and advanced CAD tutorials; Personal modeling project. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

*Note: Places in this unit are limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. Bachelor of Design Architecture students will receive preference.*

**Associated degrees:** B Arch, B Des Arch, B S T, UG Study Abroad Program.

This unit aims to: 1) introduce AutoCAD technology and skills required for computer based production of 2D drawings, 3D models and static or dynamic visualisations, to assist designing, documentation and presentation, of built designs, 2) introduce principles and practice of rational and economical model structuring, production and presentation, using layers and blocks, and 3) develop computing skills in the use of parametric object oriented modeling tools to produce and display accurate and convincing models. 4) develop skills of information acquisition, enquiry, formulation and production, employing on-line media, individually and in collaboration with others. AutoCAD is a widely used application in many design professions, combining both traditional CAD drafting and 3D object oriented functionalities for 2D drawing, 3D modeling, design visualisation and management. This unit of study introduces AutoCAD classic and advanced functions such as Revit and Building Information Modeling (BIM). At the completion of this unit competencies in the use of AutoCAD software will be sufficient for students to produce computer generated: multilayered 2D design and construction drawings, complete with dimensions, notations and conventional drawing graphics - 3D wireframe, surface and solid models - 3D parallel and perspective representations with shaded, coloured or rendered surfaces - static and dynamic presentations, that enhance and extend design communications and management. Students will also have gained an ability to find and utilise on-line information, to refresh, update and extend their CAD knowledge and skills.

## DECO2205

### Principles of ArchiCAD

#### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Paul Murty **Session:** Semester 1 **Classes:** Initiating lecture, with self directed on-line information transfer, augmented by weekly in-lab question and answer sessions, in most weeks. **Assessment:** Basic and advanced CAD tutorials; personal modeling project. **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

*Note: Places in this unit are limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. Bachelor of Design Architecture students will receive preference.*

**Associated degrees:** B Arch, B Des Arch, B S T, UG Study Abroad Program.

This unit aims to: 1) introduce ArchiCAD technology and skills required for computer based production of 2D drawings, 3D models and static or dynamic visualisations, to assist designing, documentation and presentation, of built designs, 2) introduce principles and practice of rational and economical model structuring, production and presentation, using layers, stories and objects, and 3) develop computing skills in the use of parametric object oriented modeling tools to produce accurate and convincing models. 4) develop skills of information acquisition, enquiry, formulation and production, employing on-line media, individually and in collaboration with others. ArchiCAD is an object-oriented CAD application, developed specifically for documenting and creating 3D models, design visualisations and virtual buildings. This unit of study introduces the use of ArchiCAD basic object tools and advanced functions such as GDL and Building Information Modeling (BIM). At the completion of this unit competencies in the use of ArchiCAD software will be sufficient for students to produce computer generated: multilayered 2D design and construction drawings, complete with dimensions, notations and conventional drawing graphics - 3D parallel and perspective representations with shaded, coloured or rendered surfaces - static and dynamic presentations, that enhance and extend design communications and management. Students will also have gained an ability to find and utilise on-line information, to refresh, update and extend their CAD knowledge and skills.

## DECO2606

### Real Time Multimedia



## Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Rob Saunders **Session:** Semester 2 **Classes:** 1hr lecture and 4hrs comp lab/wk **Prerequisites:** DECO(1008 or 2103) and (SOFT1001 or DECO(1012 or 2011)) **Assessment:** Sketches and participation 30%, research presentation 25%, final demo 45%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Bachelor of Design Computing students.*

**Associated degrees:** B Arch, B Des Arch, B Des Comp, B S T, UG Study Abroad Program.

This unit is based on the emerging 'demoscene' field to describe and experience the newest computer graphics methods in compelling visual designs. 'Demo' or game 'intro' design and implementation is a relatively unexplored interdisciplinary artistic field that is capable of exploiting the most novel computer graphics simulation techniques to generate immersive experiences that provoke imagination and engagement. Using new authoring software, dynamic behaviours will be designed and implemented that surpass frame-based animations and instead incorporate unpredictable manipulations by rule-based principles.

In this unit, students will develop a real-time 'demo' animation, containing compelling graphics and music. All used effects are influenced by abstract data sources and emergent principles, in order to create an artistic data representation that present information on an experiential level. The resulting demos can be displayed in real-world physical environments, used as real-time changing screensavers or online worlds. In addition, students will be asked to review and present recent academic research contributions in the fields of real-time multimedia, computer graphics or computer vision. The objectives of the unit are to introduce the principles of real-time multimedia production and authoring; introduce contemporary computer graphics applications, techniques and research directions, including the graphics pipeline, shading, texturing, rendering methods, computer vision, etc; introduce real-time issues in the context of virtual reality technology, game development, human-computer interaction and demo implementation; and introduce the optimised implementation of effects, simulation and rule-based behaviour modelling.

### DECO2660

#### Exchange Collaborative Virtual Environs Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Des Comp.

This unit of study is for Bachelor of Design Computing students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students who have completed at least one full year of study. All students must complete the final semester of third year at the University of Sydney. Exchange will not be considered for Honours.

Exchanges may be for one or two semesters. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree. Exchange students are required to enrol in a full time load at the University of Sydney in each semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by this university against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

### DECO2664

#### Design Comp Exchange Tech Elective 2A Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Des Comp.

This unit of study is for Bachelor of Design Computing students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students who have completed at least one full year of study. All students must complete the final semester of third year at the University of Sydney. Exchange will not be considered for Honours.

Exchanges may be for one or two semesters. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree. Exchange students are required to enrol in a full time load at the University of Sydney in each semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by this university against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

### DECO2665

#### Design Comp Exchange Tech Elective 2B Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Des Comp.

This unit of study is for Bachelor of Design Computing students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students who have completed at least one full year of study. All students must complete the final semester of third year at the University of Sydney. Exchange will not be considered for Honours.

Exchanges may be for one or two semesters. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree. Exchange students are required to enrol in a full time load at the University of Sydney in each semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by this university against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.



For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

#### **DECO2666**

##### **Design Comp Exchange AES Elective 2A Architecture, Design and Planning**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Des Comp.

This unit of study is for Bachelor of Design Computing students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students who have completed at least one full year of study. All students must complete the final semester of third year at the University of Sydney. Exchange will not be considered for Honours.

Exchanges may be for one or two semesters. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree. Exchange students are required to enrol in a full time load at the University of Sydney in each semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by this university against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

#### **DECO2667**

##### **Design Comp Exchange AES Elective 2B Architecture, Design and Planning**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Des Comp.

This unit of study is for Bachelor of Design Computing students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students who have completed at least one full year of study. All students must complete the final semester of third year at the University of Sydney. Exchange will not be considered for Honours.

Exchanges may be for one or two semesters. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree. Exchange students are required to enrol in a full time load at the University of Sydney in each semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by this university against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

#### **DECO2668**

##### **Design Comp Exchange Elective 2A Architecture, Design and Planning**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Des Comp.

This unit of study is for Bachelor of Design Computing students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students who have completed at least one full year of study. All students must complete the final semester of third year at the University of Sydney. Exchange will not be considered for Honours.

Exchanges may be for one or two semesters. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree. Exchange students are required to enrol in a full time load at the University of Sydney in each semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by this university against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

#### **DECO2669**

##### **Design Comp Exchange Elective 2B Architecture, Design and Planning**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Des Comp.

This unit of study is for Bachelor of Design Computing students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students who have completed at least one full year of study. All students must complete the final semester of third year at the University of Sydney. Exchange will not be considered for Honours.

Exchanges may be for one or two semesters. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree. Exchange students are required to enrol in a full time load at the University of Sydney in each semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by this university against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

### DECO2670

#### Exchange Design Computing Studio 2 Architecture, Design and Planning

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Des Comp.

This unit of study is for Bachelor of Design Computing students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students who have completed at least one full year of study. All students must complete the final semester of third year at the University of Sydney. Exchange will not be considered for Honours.

Exchanges may be for one or two semesters. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree. Exchange students are required to enrol in a full time load at the University of Sydney in each semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by this university against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Design and Planning Student Administration Centre.

### DECO3003

#### Design Computing Research Opportunity Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Mike Rosenman **Session:** Semester 2 **Classes:** Seminars, meetings. **Prerequisites:** 96 credit points and minimum WAM of 65. **Assumed knowledge:** Computer programming. **Assessment:** Two progress reports each 15% and final report worth 70%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Students from other faculties may apply directly to the Faculty of Architecture, Design and Planning.*

**Associated degrees:** B Arch, B Des, B Des Arch, B Des Comp, B S T, UG Study Abroad Program.

The aim of the Design Computing Research Opportunity is to allow a student to participate in each phase of research activity: developing a research plan in conjunction with the staff member; proposal writing; conducting research; analysing data; and presenting results in oral and written form.

At the end of the unit the student will have experience in developing research proposals, conducting research and presenting their results. Design Computing Research Opportunity offers the opportunity for a Bachelor of Design Computing student to work with an academic staff member on research-based intellectual collaborations. The student works on an existing research activity of the staff member. It can be one of the most important means for students to develop an understanding of research as an intellectual endeavour and to foster mentoring research relationships with academic staff.

The research proposal, which is the first progress report, will demonstrate the student's ability to work within an existing research. The second progress report will identify the student's capacity to work on a research project within an existing research program and

becomes a demonstration of the research skills being developed. The final report will take the form of a research paper and is used to develop the student's skills in presenting research results.

### DECO3005

#### Advanced Interactive Multimedia Design Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1 **Classes:** Seminars, online tutorials and reading modules **Prerequisites:** DECO(1200 or 2200 or 2102) **Prohibitions:** DESC9142 **Assessment:** Exercises and major design authoring project demonstrating understanding and implementation of interactive interface design principles. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Bachelor of Design Computing students.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp, B S T, UG Study Abroad Program.

The objectives of the unit are to develop a comprehensive understanding of interactive multimedia; to extend fundamentals learned in Interaction Design Studio (DECO1200) or Interactive Multimedia Design (DECO2102); to understand how humans interact with computers; to develop interface design that elicits engagement and interaction; and to develop an advanced knowledge of screen design principles and navigational methodologies.

This unit aims to develop a comprehensive understanding of multimedia authoring, extending fundamentals learned in Interactive Multimedia Design and Web-based Design Information Systems. Students will investigate effective navigational and design strategies for engaging interactive multimedia interface design. Students will develop an understanding of 2D vector-based animation and navigational techniques applied to a project authored with Macromedia Flash. ActionScripting knowledge will be developed to extend the generative, interactive, and external data interfacing capabilities of the authoring environment. Final projects will demonstrate implementation and understanding of aesthetic design principles, design architecture, and effective, efficient interactive interface design. Innovative applications of interactive multimedia, for example generative and real-time design and interactive navigational systems will extend the understanding of interface design. Students will develop further understanding of HCI and develop strategies to apply this understanding to interactive design projects. Delivery, integration of media, controlling audio and video, and a grammatical and conceptual understanding of scripting in Flash will be treated as an extension of these interactive capabilities.

At the conclusion of the unit students should have a well-developed understanding of human-computer interaction demonstrated through the structure and design of an interactive multimedia project; an understanding of efficient navigational and innovative interface design eliciting user interaction and demonstrated knowledge of responsive multimedia; an understanding of technical methods to link content and external data to the multimedia product.

### DECO3006

#### Principles of Animation Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Andy Dong **Session:** Semester 1 **Classes:** Lectures and tutorials. **Prerequisites:** DECO (1003 or 1008 or 2103) **Prohibitions:** DESC9019, DESC9141 **Assessment:** Project work involving design and implementation demonstrating understanding of 3D modelling, motion, lighting, rendering and principles of animation in 3D. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre. First preference to Bachelor of Design Computing students.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp, B S T, UG Study Abroad Program.

The objectives of the unit are to introduce the computer animation process; to understand modelling, texturing, rendering, and lighting;

and to develop an understanding of motion, kinematics and basic animation.

This elective forms an introduction to the computer-based animation process from understanding modelling, texturing, rendering and lighting to developing time-based sequences involving relative motion of objects, character animation, the skeleton, skinning, kinematics and polygons. Students will acquire basic animation skills, transfer traditional animation principles to computer graphics, and develop the skills to create an animated sequence. Basic knowledge will be related to foundational technical skills in AliasWavefront Maya and aims to serve as an introduction to further animation learning.

At the conclusion of this unit a student should have acquired an understanding of animation in relation to computer graphic software; understood the concepts and implementation of modelling principles involving light, texture and polygonal shapes; applied basic knowledge of animation to characters demonstrated in a significant project.

### DECO3008

#### Design Computing Prep Hons Research Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Andy Dong **Session:** Semester 1 **Classes:** Two hour seminar per week. **Prerequisites:** 72 credit points and minimum WAM of 70 **Assessment:** Research area summary report (40%), research proposal report (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Des Comp.

This unit aims to provide: an overview of the Faculty's research projects in design computing; an overview of research methods in design computing; instruction on how to write a preliminary research proposal for a project in design computing.

This is a seminar unit of study in which the academic staff in design computing and cognition will present their research projects to the potential honours students. The students will also be taught how to prepare a preliminary research project proposal and be introduced to some of the research methods used in design computing.

At the conclusion of the unit a preliminary research proposal will demonstrate the student's ability to identify a research area and a preliminary research plan.

### DECO3100

#### Information Visualisation Design Studio Architecture, Design and Planning

**Credit points:** 12 **Teacher/Coordinator:** Dr Andrew Vande Moere **Session:** Semester 1 **Classes:** 12 hours per week **Prerequisites:** DECO(1100 and 1200) or DECO(1100 and 2200) or DECO(2101 and 2102) or DECO(2012 and 2013) or DECO(1013 and 2013) **Prohibitions:** DECO3001 **Assessment:** Tutorial exercises, design project reports, final design presentation and report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Core unit for Bachelor of Design Computing. BST students by permission. Enrolment is limited by teaching resources.*

**Associated degrees:** B Des Comp, B S T.

The field of information visualization focuses on how non-physical data can be effectively represented to users, in an interactive and automatic way. This unit of study will introduce the principles of information visualization design, with special attention to metaphoric mapping, human-computer interaction, user engagement, and interdisciplinary insights. Topics will include: abstract data visualization (graphical, ambient or non-visual); metaphor creation and evaluation; interdisciplinary influences; server-side programming and client-side scripting.

After successful completion of this unit of study, students will have acquired: an awareness of information visualization issues through reviews of significant research publications; a research methodology by the development of a relevant research paper; design skills required to develop an information visualization prototype using a real-world dataset; relevant knowledge about tools and programming languages that process data on the server-side and present information interactively on the client-side.

This unit is core unit for Bachelor of Design Computing students only. Student effort expected for an average student to achieve a pass level result: contact hours: 12 hours per week; class preparation: 9 hours per week; assessment preparation: 39 hours per semester.

### DECO3200

#### Human-Computer Experience Des Stdo Architecture, Design and Planning

**Credit points:** 12 **Teacher/Coordinator:** Dr Petra Gemeinboeck **Session:** Semester 2 **Classes:** Lectures and studio. 12 hours per week **Prerequisites:** DECO3100 or (DECO2101 and DECO2102 and (DECO(1012 or 2011 or SOFT1001))) **Prohibitions:** DECO3002 **Assessment:** Comprehensive capstone design project; studio participation; fortnightly design tasks. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Core unit for Bachelor of Design Computing. BST students by permission. Enrolment is limited by teaching resources.*

**Associated degrees:** B Des Comp, B S T.

New technologies in design computing have the potential to not only improve the quality of designs, but to change the way we design and the kinds of design we create. Meanwhile the tethering of humans to machines constructs an intimacy which pushes human-computer interaction (HCI) towards human-computer agency. What new capacity exists when people and machines are brought together in the embodiment of agency? This unit of study will cover designing innovative and novel forms of human computer interaction, and the design of HCI for objects that have information content, embedded computation, and intelligence. The students will explore through designing the evolution of design computing from one in which humans manipulate computing to create objects to one in which humans and computing devices co-create objects that create humanistic experiences.

The unit of study aims to graduate the students from the degree with the confidence to apply their design computing and digital media skills to a wide array of design problems that they may encounter in various industries. Upon completion of this unit of study, students will have demonstrated the capacity to investigate and integrate advanced design computing technologies into the design of objects with novel forms of human computer interaction. The unit of study also reinforces the students' experiences in designing through reflection-in-action of the design process.

This unit of study has three objectives situated in two learning contexts: studio and classroom. The studio context encapsulates the first two objectives. First, the unit of study is operationally focused. The classroom context enables the lecture component of the subject. The lectures will introduce the students to philosophical and technical perspectives on designing products with an emphasis on the human element.

On the successful completion of this unit of study, students will have demonstrated: (1) an understanding of user-centered design (UCD), and through this process, realise an operational prototype of an interactive computing product. The operational prototype is the primary vehicle of assessment. (2) Skills in advanced design computing technologies through the tutorial exercises. These skills will enable the students to complete the design project; the capacity of the students to utilise and extend these skills will be assessed by the embodiment of these skills in the final design. The unit incorporates all of the skills that the students have developed throughout their studies in design computing and digital media not only in the realization of the product for the project but also in the interim submissions. (3) An understanding of philosophical and technical perspectives on designing products with an emphasis on the human element will be assessed through studio critique and commentary, and written essays.

This unit is core for the Bachelor of Design Computing. Student effort expected for an average student to achieve a pass level result: contact hours: 12 hours per week; class preparation: 9 hours per week; assessment preparation: 39 hours per semester.

### DECO3441

#### Design Computing Independent Study A

## Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Weekly meetings by arrangement. **Prerequisites:** 48 credit points and WAM of at least 70. **Assessment:** Report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp.

This unit provides an opportunity to high achieving students to develop an interest in a specific Design Computing topic; to develop skills in independent study; and to develop advanced report writing skills.

This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Design Computing. The student will meet with the supervisor weekly to discuss progress.

The outcome should be a reflective report on a selected topic demonstrating mastery of the topic.

### DECO3442

#### Design Computing Independent Study B Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Weekly meetings by arrangement. **Prerequisites:** 48 credit points and WAM of at least 70. **Assessment:** Report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp.

This unit provides an opportunity to high achieving students to develop an interest in a specific Design Computing topic; to develop skills in independent study; and to develop advanced report writing skills.

This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Design Computing. The student will meet with the supervisor weekly to discuss progress.

The outcome should be a reflective report on a selected topic demonstrating mastery of the topic.

### DECO3443

#### Design Computing Independent Study C Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Weekly meetings by arrangement. **Prerequisites:** 48 credit points and WAM of at least 70. **Assessment:** Report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp.

This unit provides an opportunity to high achieving students to develop an interest in a specific Design Computing topic; to develop skills in independent study; and to develop advanced report writing skills.

This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Design Computing. The student will meet with the supervisor weekly to discuss progress.

The outcome should be a reflective report on a selected topic demonstrating mastery of the topic.

### DECO3444

#### Design Computing Independent Study D Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Weekly meetings by arrangement. **Prerequisites:** 48 credit points and WAM of at least 70. **Assessment:** Report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp.

This unit provides an opportunity to high achieving students to develop an interest in a specific Design Computing topic; to develop skills in independent study; and to develop advanced report writing skills.

This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Design Computing. The student will meet with the supervisor weekly to discuss progress.

The outcome should be a reflective report on a selected topic demonstrating mastery of the topic.

### DECO3551

#### Design Computing General Elective A Architecture, Design and Planning

**Credit points:** 6 **Session:** S1 Intensive, S2 Intensive, Semester 1, Semester 2 **Prerequisites:** 48 credit points. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp.

This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment.

This unit of study is available to a minimum of 10 students to engage in a topic related to Design Computing that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate).

Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

### DECO3552

#### Design Computing General Elective B Architecture, Design and Planning

**Credit points:** 6 **Session:** S1 Intensive, S2 Intensive, Semester 1, Semester 2 **Prerequisites:** 48 credit points. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp.

This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment.

This unit of study is available to a minimum of 10 students to engage in a topic related to Design Computing that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate).

Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

### DECO3553

#### Design Computing General Elective C Architecture, Design and Planning

**Credit points:** 6 **Session:** S1 Intensive, S2 Intensive, Semester 1, Semester 2 **Prerequisites:** 48 credit points. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp.

This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment.

This unit of study is available to a minimum of 10 students to engage in a topic related to Design Computing that is organised by a member of academic staff. This allows a member of staff to teach a topic of

special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate).

Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

#### DECO3554

##### Design Computing General Elective D Architecture, Design and Planning

**Credit points:** 6 **Session:** S1 Intensive, S2 Intensive, Semester 1, Semester 2 **Prerequisites:** 48 credit points. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp.

This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment.

This unit of study is available to a minimum of 10 students to engage in a topic related to Design Computing that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate).

Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

#### DECO3660

##### Exchange Design Computing Studio 3 Architecture, Design and Planning

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Des Comp.

This unit of study is for Bachelor of Design Computing students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students who have completed at least one full year of study. All students must complete the final semester of third year at the University of Sydney. Exchange will not be considered for Honours.

Exchanges may be for one or two semesters. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree. Exchange students are required to enrol in a full time load at the University of Sydney in each semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by this university against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

#### DECO3662

##### Design Computing Exchange Elective 3A

#### Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Des Comp.

This unit of study is for Bachelor of Design Computing students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students who have completed at least one full year of study. All students must complete the final semester of third year at the University of Sydney. Exchange will not be considered for Honours.

Exchanges may be for one or two semesters. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree. Exchange students are required to enrol in a full time load at the University of Sydney in each semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by this university against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

#### DECO3663

##### Design Computing Exchange Elective 3B Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Des Comp.

This unit of study is for Bachelor of Design Computing students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students who have completed at least one full year of study. All students must complete the final semester of third year at the University of Sydney. Exchange will not be considered for Honours.

Exchanges may be for one or two semesters. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree. Exchange students are required to enrol in a full time load at the University of Sydney in each semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by this university against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

#### DECO3664

##### Design Computing Exchange Elective 3C

## Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Des Comp.

This unit of study is for Bachelor of Design Computing students undertaking an authorised exchange with an overseas university. The Faculty may approve international exchange for qualified students who have completed at least one full year of study. All students must complete the final semester of third year at the University of Sydney. Exchange will not be considered for Honours.

Exchanges may be for one or two semesters. Students must apply through the Study Abroad and Exchange unit of the International Office. Each student's program must be approved in consultation with the program coordinator of the degree. Exchange students are required to enrol in a full time load at the University of Sydney in each semester of exchange, and will incur the tuition costs associated with that load. No tuition costs will be incurred with the partner university.

Exchange units should be taken as part of the degree, satisfying the requirements that would normally be covered at this university during the same period. Exchange should not be in addition to the degree requirements.

Specially designated units of study will be recorded on the transcript. A result of 'R' for 'Satisfied Requirements' will be recorded by this university against each successfully completed unit. The transcript of the exchange university will be the official detailed record of exactly what was completed during the exchange. Exchange results will not count towards a student's Weighted Average Mark.

For more information please contact either the Study Abroad and Exchange Office or the Faculty of Architecture Student Administration Centre.

### DECO4001

#### Design Computing Honours Research A Architecture, Design and Planning

**Credit points:** 12 **Teacher/Coordinator:** Dr Andy Dong **Session:** Semester 1, Semester 2 **Prerequisites:** Completion of the Pass degree. Students in the Bachelor of Design Computing will require a WAM of at least 70. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Des Comp (Hons).

Students must submit an honours application form. Entry into honours in the Bachelor of Design Computing requires you to have completed your pass degree with a weighted average mark of at least 70.

The honours degree requires full time study over two semesters (DECO4001 and DECO4002 and then DECO4003 and DECO4004). In special cases the Dean may approve a part time enrolment over four semesters. The units are not assessed separately. A single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student.

The dissertation should be submitted by the end of the first week of the formal examination period in the semester in which DECO4004 Design Computing Honours Research D is taken.

### DECO4002

#### Design Computing Honours Research B Architecture, Design and Planning

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** DECO4001 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Des Comp (Hons).

Students must submit an honours application form. Entry into honours in the Bachelor of Design Computing requires you to have completed your pass degree with a weighted average mark of at least 70.

The honours degree requires full time study over two semesters (DECO4001 and DECO4002 and then DECO4003 and DECO4004). In special cases the Dean may approve a part time enrolment over four semesters. The units are not assessed separately. A single

dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student.

The dissertation should be submitted by the end of the first week of the formal examination period in the semester in which DECO4004 Design Computing Honours Research D is taken.

### DECO4003

#### Design Computing Honours Research C Architecture, Design and Planning

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** DECO4002 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Des Comp (Hons).

Students must submit an honours application form. Entry into honours in the Bachelor of Design Computing requires you to have completed your pass degree with a weighted average mark of at least 70.

The honours degree requires full time study over two semesters (DECO4001 and DECO4002 and then DECO4003 and DECO4004). In special cases the Dean may approve a part time enrolment over four semesters. The units are not assessed separately. A single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student.

The dissertation should be submitted by the end of the first week of the formal examination period in the semester in which DECO4004 Design Computing Honours Research D is taken.

### DECO4004

#### Design Computing Honours Research D Architecture, Design and Planning

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** DECO4003 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Des Comp (Hons).

Students must submit an honours application form. Entry into honours in the Bachelor of Design Computing requires you to have completed your pass degree with a weighted average mark of at least 70.

The honours degree requires full time study over two semesters (DECO4001 and DECO4002 and then DECO4003 and DECO4004). In special cases the Dean may approve a part time enrolment over four semesters. The units are not assessed separately. A single dissertation is required. The appointment of a supervisor will depend on the topic chosen for the dissertation by the student.

The dissertation should be submitted by the end of the first week of the formal examination period in the semester in which DECO4004 Design Computing Honours Research D is taken.

### DESA1001

#### Design Practice 1A Architecture, Design and Planning

**Credit points:** 12 **Teacher/Coordinator:** Dr Ross Anderson **Session:** Semester 1 **Classes:** Studio, lectures, seminars, field trips, workshops, laboratories. 12 hours per week **Corequisites:** DESA1101 **Assumed knowledge:** HSC Mathematics, HSC English Standard **Assessment:** This will be in the form of specific, short exercises and attendance, a design proposal presentation to a jury and a record of the design process undertaken. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Progression to DESA1002 requires successful completion of this unit. Students may incur materials costs in this unit.*

**Associated degrees:** B Des, B Des Arch, UG Study Abroad Program.

Designing components of the built environment is a complex process in which all graduates of the Bachelor of Design in Architecture are required to be skilled at a pre-professional level. Design process is complex because a statement of what is to be designed always contains only part of the information needed to produce a design, and also does not specify the required physical form of the object to be designed. Designing therefore involves identifying the issues relevant to each specific design and its context or setting, and undertaking appropriate design processes which interpret, apply and integrate the relevant knowledge into a single design. This knowledge broadly concerns aspects of inhabiting, designing and constructing the built

environment as it relates to the human, environmental, cultural, social and technological contexts, which influence the form of the built environment.

The unit will study the built environment at the scale of towns and suburbs, focussing on the design of an individual element, such as a small building and its associated outdoor places.

The unit will focus on developing your learning, and feedback forms of assessment will be used throughout the unit to inform you of your progress and help your learning. The value of peer and collaborative learning for feedback and development will also be introduced. Learning in this unit will be extended by study of wider aspects of the knowledge in the concurrent unit DESA1101 Design Studies 1A. The unit is also directly linked to the following July Semester unit DESA1002 Design Practice 1B. It will involve a sequential development of learning to apply knowledge and skills in designing at an introductory level.

On the successful completion of this unit you will have demonstrated your ability to: (1) explore and apply at a basic level key aspects of knowledge about the built environment through specific design exercises, including: taking one set of knowledge about the building to a more detailed design development stage, the construction shown in a framing model; using at a basic level, direct precedents of similar buildings, that relate to specific knowledge issues, informing decision making in your design processes; using at a basic level simple methods for starting your design process, and carrying out basic iterative processes for testing, evaluating and developing your designs; gaining basic skills in aspects of knowledge and in basic drawing and modelling conventions demonstrated through mastery tasks; keeping a record of this material. (2) Reflect on your design processes through a daily journal, and through preparing from this and your recorded material a Reflective Process Record, in which you describe and comment on these processes. (3) Make a basic self-assessment of your design processes and design outcomes, and identifying some key ways to improve these, through your Design Review.

This is a core unit of study for the Bachelor of Design in Architecture. It is central to the program, and it relates directly to the practice of the profession of Architecture and all its related forms. To achieve a good Pass level result the effort is 2 hours per credit point (12) per week of semester (13 weeks): contact hours: 12 hours per week = 156 hours per semester; class preparation: 8 hours per week = 104 hours per semester; assessment preparation: 52 hours per semester.

## DESA1002

### Design Practice 1B

#### Architecture, Design and Planning

**Credit points:** 12 **Teacher/Coordinator:** Dr Ross Anderson **Session:** Semester 2 **Classes:** Studio, lectures, seminars, field trips, workshops, labs, 12 hours per week **Prerequisites:** DESA1001 **Corequisites:** DESA1102 **Assumed knowledge:** DESA1101 **Assessment:** This will be in the form of specific, short exercises and attendance, with the main summative assessment tasks being a major design proposal presentation to a jury and a record of the design process undertaken. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Progression to DESA1002 requires successful completion of DESA1001. Students may incur materials costs in this unit.*

**Associated degrees:** B Des, B Des Arch, UG Study Abroad Program.

The aim of this unit is to build on and extend the skills and knowledge you gained in Design Practice 1A and provide you with more complex design problems in which to apply these. These design problems will require you to resolve a greater number of key design issues and to use new conceptual knowledge as well as that learnt previously. Through this unit of study you will explore and use more complex direct precedents used in urban design and in architecture. You will study the built environment at the scale of a town. You will explore this context in depth, applying the understanding you gain to the process of designing a building and its outdoor places in an urban context. You will also be provided with more sophisticated techniques for design and precedent representations. Through engaging in and reflecting on the iterative learning situations provided in this unit of study and your own response to them, you will develop your ability in

and understanding of architectural design and the process of designing.

On the successful completion of this unit you will have demonstrated your ability to: (1) Analyse and interpret the physical, historical and cultural landscape context of architecture through completing a study and report on the development of a small town. (2) Explore and apply key aspects of knowledge about the built environment through designing a building, its interior and exterior spaces, and its streetscape to 'sketch plan' stage. Through this you will have demonstrated your ability to: take one set of knowledge about the building to a more detailed design development stage, in this case, the interior of one room; use direct precedents of urban contexts, and aspects of buildings with similar purpose, spatial organisation, material use, structure and environmental issues, to inform your decision making in your design processes; test, evaluate and develop your designs through an iterative design process; communicate your ideas and design representations through drawing and modelling conventions and verbally; keep a comprehensive record of your design process. (3) Reflect on your design processes through keeping a daily journal, and through preparing from this and your recorded material a Reflective Process Record, in which you describe and comment on these processes. (4) Evaluate other students design outcomes and evaluate your own design processes and design outcomes, identifying key ways to improve these, through your Design Review.

This is a core unit of study for the Bachelor of Design in Architecture. It is central to the program, and it relates directly to the practice of the profession of Architecture and all its related forms. To achieve a good Pass level result the effort expected is 2 hours per credit point (12) per week of semester (13 weeks): Contact hours: 12 hours per week = 156 hours per Semester; Class preparation: 8 hours per week = 104 hours per Semester; Assessment preparation: 52 hours per Semester.

## DESA1004

### Designing with Surfaces and Light Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Terry Purcell **Session:** Semester 2, Summer Early, Winter Main **Classes:** On-line delivery through WebCT **Assessment:** Two assignments **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

*Note: Enrolment numbers limited by teaching resources. If your attempt to enrol online is unsuccessful, please seek permission from the Faculty of Architecture, Design and Planning Student Administration Centre.*

**Associated degrees:** B Des Arch, UG Study Abroad Program, UG Summer/Winter School.

An essential part of the way we experience the three dimensional world we live in results from the way in which light interacts with the surfaces in the environment. One way of thinking about architectural design is in terms of making decisions about the surfaces that make up both the external forms of buildings and define the spaces within the building and the way they will interact with light. However in making these decisions about these physical properties of the environment designers are also determining how people will experience these environments.

The unit deals with the following: the basic properties of light and the way these properties effect the behaviour of light in a three dimensional environment and the experience of the environment; the basic visual process associated with dealing with change in light intensity within the environment and the perception of detail; surface (micro) structure and the interaction of light and surface structure; the experience of texture and pattern; reflection of light off a surface and effects on perceived surface properties; selective absorption of light by a surface and perceived colour space and colour.

Participants in the unit will demonstrate their understanding of the knowledge presented and the way that it can be used to understand our experience of the environment by finding and analysing their own environmental examples. For students in the Faculty of Architecture this unit introduces them to knowledge about important aspects of the way we experience the built environment and how this knowledge may be used in the design of built environments.

Participants in the unit from other faculties are also introduced to knowledge about our experience of the environment but in addition they obtain insights into the nature of design and how design embodies abstract knowledge in specific physical artefacts.

To preview the material in the course go to:  
[http://people.arch.usyd.edu.au/~terry/DESA1004/sl\\_introduction.html](http://people.arch.usyd.edu.au/~terry/DESA1004/sl_introduction.html)

## DESA1101

### Design Studies 1A

#### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Chris L Smith **Session:** Semester 1 **Classes:** 6 hours per week (lecture and tutorial) **Corequisites:** DESA1001 **Assumed knowledge:** HSC Mathematics and HSC English Standard or equivalent. **Assessment:** Exercises, assignments, quizzes and examinations. Overall assessment grading will be Pass/Fail result only. Failure in any single module equates to failure in the overall unit of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Des, B Des Arch, B Des Comp, UG Study Abroad Program.

This unit introduces conceptual, precedent and procedural knowledge about inhabiting, designing and constructing the built environment focussing upon essential foundation knowledge and skills. These will be drawn upon in the corequisite unit of Design Practice 1A and will be assumed and developed in a number of following core, and elective, units of study. The material is presented in modules: (1) History & Theory: The aim of this module is to establish a basic comprehension of the cultural context, influences on and historical precedents of our present built environment which will allow exploration of other cultural 'histories', including architectural movements and theories, at a later stage. (2) Environment & Sustainability: Introduces fundamentals of the operation of climatic, ecological and energy systems and their impact. The aim of this module is to provide a basic understanding of these issues in order to subsequently study environmental and ecological sustainability issues in relation to the built environment. (3) Structures: The module aims to introduce students to a fundamental understanding of how structures are realised including basic structural knowledge. This includes an understanding of the basic properties of common structural materials, the ability to recognise simple structural types and the behaviour of structural elements to provide a basis for assembling structural systems.

On successful completion of this unit of study each student will have: demonstrated an awareness of core issues in inhabiting, designing and constructing the built environment by attendance and background reading; demonstrated an understanding of key issues and impacts involved with the natural world, including climatic and ecological systems, as a setting for sustainable design through assignment and examination; analysed, evaluated and justified environmental issues of a site and its context, and the environmental impact of a building on its surroundings through exercises in the corequisite unit; demonstrated an understanding of the physical, sensory, behavioural and ergonomic relationship between people and the everyday and designed environments through exercises and examination; demonstrated a basic comprehension of the cultural context, influences on and historical precedent of our present built environment through an assignment; demonstrated an understanding of basic principles of structure including an understanding of the basic properties of common structural materials, the ability to recognise simple structural types and the behaviour of structural elements through quizzes and examination.

This is a core unit for the Bachelor of Design in Architecture. It unit introduces foundation knowledge about the built environment which is required for a wide range of following units in particular those in Design Practice. Contact hours: 6 hours per week (lecture and tutorial); class preparation: 1 hour per week; assessment preparation: 26 hours per semester.

## DESA1102

### Design Studies 1B

#### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Chris L Smith **Session:** Semester 2 **Classes:** 6 hours per week (lecture and tutorial) **Corequisites:** DESA1002

**Assumed knowledge:** DESA1001 and 1101 **Assessment:** Exercises, assignments, quizzes and examinations. Overall assessment grading will be Pass/Fail result only. Failure in any single module equates to failure in the overall unit of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Des, B Des Arch, B Des Comp, UG Study Abroad Program.

Design Studies 1B presents additional conceptual, precedent and procedural knowledge about inhabiting, designing and constructing the built environment to that presented in Design Studies 1A and Design Practice 1A. It extends previously presented knowledge in both depth and breadth and is applied in the corequisite unit, Design Practice 1B. The material is presented in modules: (1) History & Theory: This module commences a survey history of the built environment. The aim of this module is to establish a basic comprehension of major historical developments as a basic component of architectural literacy, in particular historical precedents for design practice. (2) Environment & Sustainability: Introduces applications of ecological sustainability to design practice. Concepts of 'passive' design techniques related to building siting, form and planning are introduced with the aim of providing design knowledge especially for use in the corequisite unit, Design Practice 1B, and later. (3) Structures: This module expands upon the knowledge presented in Design Studies 1A. The repertoire of structural materials elements and systems, to provide a basis for selecting appropriate structural systems for design problems, is expanded.

At the successful completion of this unit each student is expected to have demonstrated: an increased awareness of core issues in inhabiting, designing and constructing the built environment by attendance and background reading; a comprehension of major architectural historical developments, including individual buildings, designers and intellectual context through exercises and examination; a basic understanding of key issues in sustainability in the built environment and their application by exercises including in the corequisite unit; an understanding of environmental cognition and interaction with everyday and designed environments through exercises and assignment; an understanding of more advanced principles of structural behaviour and materials through quizzes and examination; an ability to assemble structural materials, elements and types into a functioning structural system through exercises in the corequisite unit.

This unit is core for the Bachelor of Design in Architecture. The unit introduces additional foundation knowledge about the built environment which is required for a wide range of following units in particular those in Design Practice. Contact hours: 6 hours per week (lecture and tutorial). Student effort expected for an average student to achieve a pass level result: class preparation: 1 hour per week; assessment preparation: 26 hours per semester.

## DESA2001

### Design Practice 2A

#### Architecture, Design and Planning

**Credit points:** 12 **Teacher/Coordinator:** A/Prof Anna Rubbo & Mr Col James **Session:** Semester 1 **Classes:** Studio, lectures, seminars, field trips, workshops, labs. 12 hours per week **Prerequisites:** DESA1002 **Corequisites:** DESA 2111 **Assumed knowledge:** DESA1101 and DESA1102 **Assessment:** This will be in the form of specific, short exercises and attendance, with the main summative assessment tasks being a major design proposal presentation to a jury including the technical aspects of the design and a record of the design process undertaken. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Progression to DESA2001 requires successful completion of DESA1002. Students may incur materials costs in this unit.*

**Associated degrees:** B Des, B Des Arch, UG Study Abroad Program.

The main aim of this unit of study is to develop of your design understanding and skills. This includes encouraging you in the pursuit of excellence in all aspects of designing the built environment. To do this it requires you to apply, and extend, the knowledge and abilities which you gained in Design Practice 1A and 1B, and Design Studies 1A and 1B. To achieve this aim, there is an increase both in the complexity of a design situation, in terms of the number of key issues, and in the level of resolution expected of you in dealing with these.



You will continue to study the built environment at the scale of the urban form of a neighbourhood in a city. You will focus on the interplay between interior of a building and its context, both physical and cultural. You will explore the formulation of simple environmental, structural and constructional strategies that enhance the environmental and physical quality of the built environment and the experience of those who use it, and support the intent and aims of your design. Your abilities in testing, evaluating and developing your design processes will also be developed, including both physical and digital modelling. Collaborative working within groups will continue to be emphasised as a key way to learn designing. Through engaging in, and reflecting on your design processes within the iterative learning situations provided in this unit of study, you will develop your ability to evaluate those design processes, and develop them to improve your design outcomes.

On the successful completion of this unit you will have demonstrated skill in your ability to: (1) analyse and interpret the relationship between the interior and exterior physical form and fabric of a building, and its physical, historical and cultural context through completing a series of case studies. (2) explore and apply key aspects of knowledge, through designing a building, its interior and exterior spaces, and its streetscape to 'sketch plan' stage. Through this you will have demonstrated your ability to: use appropriate knowledge and strategies from precedents related to specific design issues, including social dimensions; express an understanding of personal and interpersonal interaction; devise appropriate environmental strategies supporting the design intent and the experience of environmental quality, issues, opportunities and impact of a building on its surroundings, including its streetscape; devise appropriate structural and constructional strategies which support the design intent; use appropriate construction and structural systems in the design of a small-scale building; test, evaluate and develop your designs through an iterative design process; communicate your ideas and design representations through skilful manual and digital drawing and modelling, and verbally; keep a comprehensive record of your design process. (3) Reflect on your design processes through keeping a daily journal, and through preparing from this and your recorded material a Reflective Process Record, in which you describe and comment on these processes. (4) Evaluate other students design outcomes, comparing key issues to your own. (5) Evaluate your own design processes and design outcomes, identifying key ways to improve these, through your Design Review.

This is a core unit of study for the Bachelor of Design in Architecture. It is central to the program, and it relates directly to the practice of the profession of Architecture and all its related forms. To achieve a good Pass level result the student effort required is 2 hours per credit point (12) per week of semester (13 weeks): contact hours: 12 hours per week = 156 hours per semester; class preparation: 6 hours per week = 78 hours per semester; assessment preparation: 78 hours per semester.

## DESA2002

### Design Practice 2B

#### Architecture, Design and Planning

**Credit points:** 12 **Teacher/Coordinator:** A/Prof Anna Rubbo & Mr Col James  
**Session:** Semester 2 **Classes:** Studio, lectures, seminars, field trips, workshops, labs, 12 hours per week **Prerequisites:** DESA2001 **Assumed knowledge:** DESA2111 **Assessment:** This will be in the form of specific, short exercises and attendance, with the main summative assessment tasks being a major design proposal presentation to a critique jury and the technical design development of this design. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Progression to DESA2002 requires successful completion of DESA2001. Progression to DESA3001 requires completion of all preceding Design Practice and Design Studies units. Students may incur materials costs in this unit.*

**Associated degrees:** B Des, B Des Arch, UG Study Abroad Program.

The main aim of this unit of study is to contribute to the progressive development of your design education. This includes encouraging you in the pursuit of excellence in design. You will be required not only to apply understanding you demonstrated previously, but learn new ways of designing. To achieve this aim, there is once again an

increase in the complexity of the design project, in the level of resolution and expertise expected of you in dealing with these. You will be exploring architecture as an expressive language. You will be addressing built form and architectural space on an extensive site, taking into account the adjoining architectural and cultural context. You will be required to research your project, use all your abilities in testing, evaluating and developing your design, and develop to a higher level your presentation skills, manual and computer-aided drawing skills and modelling. You will be required to demonstrate the technical solutions integral to your design.

Collaborative working within groups will continue to be emphasised as a key way to learn designing.

Through engaging in, and reflecting on your design processes within the iterative learning situations provided in this unit of study, you will develop your ability to evaluate those design processes, and develop them to improve your design outcomes.

On the successful completion of this unit you will have demonstrated an advanced skills in your ability to develop and apply knowledge in designing and therefore to: (1) Investigate a site to inform your design. (2) Explore architectural form in a landscape, using architectural elements as an expressive language at a broad scale. (3) Develop the design of a part of the project to a detailed level and demonstrate the use of architectural elements as an expressive language this scale. (4) Demonstrate the technical solution to the design of this detailed section in required areas of environmental design, structure, construction, site planning, ergonomic planning. (5) Explore and apply key aspects of knowledge, demonstrating your ability to: use appropriate knowledge and strategies from precedents related to specific design issues; express an understanding of personal and interpersonal interaction, and planning strategies; devise appropriate environmental strategies supporting the design intent and the experience of environmental quality, issues, opportunities and impact of a building on its surroundings, including its streetscape; devise appropriate structural and constructional strategies and systems which support the design intent; test, evaluate and develop your designs through an iterative design process; communicate your ideas and design representations through skilful manual and digital drawing and modelling, and verbally; keep a comprehensive record of your design process; reflect on your design processes through keeping a daily journal, and through preparing from this and your recorded material a summarised Reflective Process Record, in which you describe and comment on these processes; evaluate other students design outcomes, comparing key issues to your own; evaluate your own design processes and design outcomes, identifying key ways to improve these, through your Design Review.

This is a core unit of study for the Bachelor of Design in Architecture. It is central to the program, and it relates directly to the practice of the profession of Architecture and all its related forms. To achieve a good Pass level result the student effort expected is 2 hours per credit point (12) per week of semester (13 weeks): contact hours: 12 hours per week = 156 hours per semester; class preparation: 6 hours per week = 78 hours per semester; assessment preparation: 78 hours per semester.

## DESA2111

### Design Studies 2

#### Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Dr Chris L Smith **Session:** Semester 1 **Classes:** 6 hours per week (lecture and tutorial) **Corequisites:** DESA2001 **Assumed knowledge:** DESA(1101 and 1102) **Assessment:** Exercises, quizzes, assignments and examinations. Failure in any single module equates to failure in the overall unit of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Progression to DESA3001 requires successful completion of all preceding Design Studies and Design Practice units.*

**Associated degrees:** B Des Arch, UG Study Abroad Program.

Design Studies 2 presents additional conceptual, precedent and procedural knowledge about inhabiting, designing and constructing the built environment to that presented in Design Studies 1A and 1B. It further extends previously presented knowledge in both depth and

breadth. The material is presented in modules: (1) History & Theory: This module concludes a survey history of the built environment started in Design Studies 1B. The aim of this module is to establish a basic comprehension of major historical developments as a basic component of architectural literacy, in particular historical precedents for design practice. (2) Environment & Sustainability: Environmental evaluation, performance and design techniques and are expanded in this module, particularly in relationship to aspects "passive" design and the environmental response of the building envelope with the aim of providing detail design knowledge especially for use in design practice. (3) Structures: This module introduces a greater variety of structural element types available for assembling structural systems and subsystems in buildings to increase the informed range of choice available to students. To this end it introduces behavioural models, for understanding and predicting the behaviour of different structural assemblies. It also explores the relationship between structural form, action and efficiency, especially through the use of physical models, to develop a better understanding structural efficiency in design. (4) Construction: Constructional knowledge is explored through a study of the various systems used for ground, floor, wall, roof and opening construction, including their details, to provide students with constructional literacy for design practice.

At the successful completion of this unit each student is expected to have demonstrated: an increased awareness of core issues in inhabiting, designing and constructing the built environment by attendance and background reading; a comprehension of major architectural historical developments, including individual buildings, designers and intellectual context through exercises and examination; a basic understanding of principles in environmental performance, passive design and sustainability in the built environment through examination; an understanding of the application of issues in environmental performance, passive design and sustainability by exercises including in design practice; an understanding of more advanced principles of structural behaviour, assemblies and efficiency through quizzes and examination; an ability to assemble structural materials, elements and types into a detailed functioning structural system through exercises in design practice; a more advanced understanding of the common construction systems and materials of the major building elements through exercises and assignment; an ability to apply detailed constructional knowledge of small scale buildings through exercises in design practice.

This unit is core in the Bachelor of design in Architecture. Contact hours: 6 hours per week (lecture and tutorial); student effort expected for an average student to achieve a pass level result: class preparation: 1 hour per week; assessment preparation: 26 hours per semester.

### DESA3001

#### Design Practice 3A

##### Architecture, Design and Planning

**Credit points:** 12 **Teacher/Coordinator:** Ms Kristine Sodersten **Session:** Semester 1 **Classes:** Studio, lectures, seminars, field trips, workshops, laboratories. 12 hours per week **Prerequisites:** DESA1101, DESA1102, DESA2111 and DESA2002 **Assessment:** This will be in the form of specific, short exercises and attendance, with the main summative assessment tasks being a major design proposal presentation to a critique jury and the technical design development of this design. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students may incur materials costs in this unit.*

**Associated degrees:** B Des, B Des Arch.

The aim of this unit of study, together with the following unit, Design Practice 3B, is to develop your architectural design abilities in all areas to a pre-professional level. Consistent with the aims of the course as a whole, you will be required to demonstrate the progressive use of the understanding you have gained in all your previous core units of study. In this unit, and also in Design Practice 3B, you will be engaged in architecture at the scale of the city. In both units of study the emphasis is on complex, medium scale design projects, resolved to increasingly high level of competence as you move from Design Practice 3A to 3B. As projects of this type are usually the result of collaboration between teams of architects and other design professionals, including consultants, there is an increasing emphasis

placed upon collaborative working with consultants, within groups. You will also be required interpret multiple levels of complex interacting design issues, problems and opportunities. These will include site, context and programmatic issues, organisational, formal, spatial and compositional issues, and programming interpretation.

The technical design skill and knowledge you will be required to understand and demonstrate includes the following: the design of key aspects of the internal environment of a medium scale building and impact of design decisions upon aspects of the external environments; the construction and materiality of your designs particularly typical systems of construction for medium scale buildings and their adaptation for particular circumstances; sufficient structural understanding to develop architectural structural strategies for medium scale buildings.

To support this, you will be required to interpret precedent and case studies. You will also be introduced to the basic understanding of the legal and regulatory environment in which buildings are constructed. High skills in communicating your designs in verbal and in graphic and modelled form, manual and digital, will be required to clearly demonstrate your understanding at the high level of pre-professionalism required in this unit.

On the successful completion of this unit you will have demonstrated through the assessment tasks an advanced ability to discover, locate, develop and apply knowledge in designing, and you will have demonstrated: a highly developed ability to reflect upon, evaluate, understand and improve your own designing; a high level of ability in communicating and expressing your design intent, concepts and proposals; your ability at a high level of competence to interpret multiple levels of complex interacting design issues, problems and opportunities; your understanding, at a high level of competence, of required environmental, regulatory, construction, structural, contextual, formal, spatial, organisational, material, programmatic and programming issues, through embodying your knowledge in the proposal and detailed development of your building design; research and scholarship used to inform your design decisions at all levels, including the study of precedents; self-reliance, initiative and resourcefulness in finding information, references, precedents, case studies etc for the project, and self-direction in learning.

This is a core unit of study for the Bachelor of Design in Architecture. It is central to the program, and it relates directly to the practice of the profession of Architecture and all its related forms. To achieve a good Pass level result the expected student effort is 2 hours per credit point (12) per week of semester (13 weeks): contact hours: 12 hours per week = 156 hours per semester; class preparation: 6 hours per week = 78 hours per semester; assessment preparation: 78 hours per semester.

### DESA3002

#### Design Practice 3B

##### Architecture, Design and Planning

**Credit points:** 12 **Teacher/Coordinator:** Ms Kristine Sodersten **Session:** Semester 2 **Classes:** Studio, lectures, seminars, field trips, workshops, 12 hours per week **Prerequisites:** DESA3001 **Assessment:** This will be in the form of specific, short exercises and attendance, with the main summative assessment tasks being a major design proposal presentation to a critique jury and the technical design development of this design. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students may incur materials costs in this unit.*

**Associated degrees:** B Des, B Des Arch.

The aim of this unit of study, together with Design Practice 3A, is to develop your design abilities in all areas, both pragmatic and poetic, to a pre-professional architectural level. Consistent with the aims of the course as a whole, you will be required to use and build on the understanding you have gained in all your previous core units of study. You will be engaged in architecture at the scale of the city in complex, medium scale design projects, resolved to a higher level of complexity and skill in Design Practice 3B than was the case in Design Practice 3A. There is an increasing emphasis placed upon working with consultants, and on collaborative working within groups. You will also be required to use a high level of interpretative skill to address complex

levels of interacting design issues relating to site and context, program, form and composition, spatial issues, strategies for the impacts of design decisions upon internal and external environments, construction and materiality of your designs particularly standard systems of construction and their adaptation to particular circumstances and architectural structural strategies for buildings of this scale. To support this, you will be required to interpret precedent and case studies at a high level. Your highest skills in communicating your designs in verbal and in graphic and modelled form, both manual and digital, will be required to clearly demonstrate your understanding at the high level of pre-professionalism required in this unit.

On the successful completion of this unit you will have demonstrated through the assessment tasks an advanced ability to discover, locate, develop and apply knowledge in designing, and you will have demonstrated: a highly developed ability to reflect upon, evaluate, and improve your own designing; a high level of ability in communicating and expressing your design intent, concepts and proposals; your ability at a high level to interpret multiple levels of complex interacting design issues, problems and opportunities; your high level of understanding of required environmental, constructional and structural issues, and contextual, formal, spatial, organisational and programming issues, through embodying your knowledge in the proposal and in the detailed development of your building design; research and scholarship used to inform your design decisions at all levels, including the study of precedents; self-reliance, initiative and resourcefulness in finding information, references, precedents, case studies etc for the project, and self-direction in learning.

This is a core unit of study for the Bachelor of Design in Architecture. To achieve a good Pass level result the effort expected is 2 hours per credit point (12) per week of semester (13 weeks): contact hours: 12 hours per week = 156 hours per semester; class preparation: 6 hours per week = 78 hours per semester; assessment preparation: 78 hours per semester;

#### DESA3441

##### Design Architecture Independent Study A Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Weekly meetings by arrangement. **Prerequisites:** 48 credit points and WAM of at least 70. **Assessment:** Report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp.

This unit provides an opportunity to high achieving students to develop an interest in a specific Design Architecture topic; to develop skills in independent study; and to develop advanced report writing skills.

This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Design Architecture. The student will meet with the supervisor weekly to discuss progress. The outcome should be a reflective report on a selected topic demonstrating mastery of the topic.

#### DESA3442

##### Design Architecture Independent Study B Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Weekly meetings by arrangement. **Prerequisites:** 48 credit points and WAM of at least 70. **Assessment:** Report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp.

This unit provides an opportunity to high achieving students to develop an interest in a specific Design Architecture topic; to develop skills in independent study; and to develop advanced report writing skills.

This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Design Architecture. The student will meet with the supervisor weekly to discuss progress. The outcome should be a reflective report on a selected topic demonstrating mastery of the topic.

#### DESA3443

##### Design Architecture Independent Study C Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Weekly meetings by arrangement. **Prerequisites:** 48 credit points and WAM of at least 70. **Assessment:** Report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp.

This unit provides an opportunity to high achieving students to develop an interest in a specific Design Architecture topic; to develop skills in independent study; and to develop advanced report writing skills.

This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Design Architecture. The student will meet with the supervisor weekly to discuss progress. The outcome should be a reflective report on a selected topic demonstrating mastery of the topic.

#### DESA3444

##### Design Architecture Independent Study D Architecture, Design and Planning

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Weekly meetings by arrangement. **Prerequisites:** 48 credit points and WAM of at least 70. **Assessment:** Report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by your proposed supervisor and program coordinator with your request to enrol.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp.

This unit provides an opportunity to high achieving students to develop an interest in a specific Design Architecture topic; to develop skills in independent study; and to develop advanced report writing skills.

This elective is undertaken with an agreement between the student and a supervisor on an agreed topic related to Design Architecture. The student will meet with the supervisor weekly to discuss progress. The outcome should be a reflective report on a selected topic demonstrating mastery of the topic.

#### DESA3551

##### Design Architecture General Elective A Architecture, Design and Planning

**Credit points:** 6 **Session:** S1 Intensive, S2 Intensive, Semester 1, Semester 2 **Prerequisites:** 48 credit points. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp.

This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment.

This unit of study is available to a minimum of 10 students to engage in a topic related to Design Architecture that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate).

Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

## DESA3552

### Design Architecture General Elective B Architecture, Design and Planning

**Credit points:** 6 **Session:** S1 Intensive, S2 Intensive, Semester 1, Semester 2 **Prerequisites:** 48 credit points. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp.

This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment.

This unit of study is available to a minimum of 10 students to engage in a topic related to Design Architecture that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate).

Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

## DESA3553

### Design Architecture General Elective C Architecture, Design and Planning

**Credit points:** 6 **Session:** S1 Intensive, S2 Intensive, Semester 1, Semester 2 **Prerequisites:** 48 credit points. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp.

This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment.

This unit of study is available to a minimum of 10 students to engage in a topic related to Design Architecture that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate).

Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

## DESA3554

### Design Architecture General Elective D Architecture, Design and Planning

**Credit points:** 6 **Session:** S1 Intensive, S2 Intensive, Semester 1, Semester 2 **Prerequisites:** 48 credit points. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Submit an Independent Study Approval Form, signed by the elective supervisor, with your request to enrol.*

**Associated degrees:** B Arch, B Arch, B Des, B Des Arch, B Des Comp.

This elective allows a group of students to pursue a topic proposed by a member of academic staff in a formal learning environment.

This unit of study is available to a minimum of 10 students to engage in a topic related to Design Architecture that is organised by a member of academic staff. This allows a member of staff to teach a topic of special interest or for a visiting academic to teach a subject related to their specialty. Students will participate in lectures, tutorials, or other activities as needed to pursue the elective topic. The topic for this elective is proposed by a member of academic staff and approved by the Associate Dean (Undergraduate).

Students will develop an understanding of a special topic through reports, projects, and tutorial exercises.

## DESP1001

### Introductory Urban Design and Planning Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Mr Martin Payne **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** Assessment is based on a workbook, which will present background studies, a strategic analysis and a reasoned proposal in response to a planning and design problem, besides a review of literature. The literature review will count for 40% of the total mark, and the background studies, strategic analysis and proposal will each count for 20%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Des Arch, UG Study Abroad Program.

Students will develop knowledge of key planning ideas, and be able to appreciate the context relevant to designing the built environment. They will be able to prepare strategic analyses of basic planning situations, and to prepare design proposals with supporting arguments.

On successful completion of this unit, each student will be able to demonstrate their ability: to prepare short documents, using photos, maps, drawings and other illustrations, with annotated comments and supporting text, to present site analyses; to use basic ideas (such as: vistas, viewing and over-viewing, connectivity, legibility, enclosure, uses, activities, environs, links, built form, interest, amenity networks, nodes) in reviewing design situations and preparing simple site analyses; to apply a critical and reflective approach in understanding design situations, and in preparing informative reports.

This is an elective unit, which introduces the Urban Design and Planning stream in the Bachelor of Design in Architecture. Elective in other programs. It is relevant to all architectural design students; it teaches students how to prepare planning studies and basic site plans as preparatory phases of designing buildings and places.

Student effort expected: contact hours: 2 hours per week; class preparation: 2 hours per week; assessment preparation: 26 hours per semester.

## DESP2001

### Planning for the Public Domain Architecture, Design and Planning

**Credit points:** 6 **Teacher/Coordinator:** Mr Martin Payne **Session:** Semester 1 **Classes:** 2 hours week **Assessment:** workbook presenting studies, reviewing materials, envisaging work to be done, demonstrating critical thinking, presenting proposals **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

Students will be able to: undertake background studies to inform designing for various elements of the public domain (streets and roads, open space and public places, car parking, pedestrian networks and centres); formulate and respond to complex planning problems; prepare and present simple proposals; use basic terms, concepts and methods in practical urban design and planning situations.

On successful completion of this unit, each student will be able to demonstrate their ability to: to prepare short documents, using photos, maps, drawings and other illustrations, with annotated comments and supporting text, to present planning studies and proposals; to use basic ideas (such as: vistas, viewing and over-viewing, connectivity, legibility, enclosure, uses, activities, environs, links, built form, interest, amenity networks, nodes) in reviewing design situations and preparing site analyses and proposals; to apply a critical and reflective approach in understanding planning and design situations, and in preparing informative documents which move from planning studies to proposals with supporting arguments; to be able to prepare proposals for built form outcomes and related planning instruments, with supporting studies and arguments.

This unit part of the Urban Design and Planning Stream of the Bachelor of Design in Architecture and an elective in other programs.

Student effort expected: contact hours: 2 hours week; class preparation: 2 hours per week; assessment preparation: 30 hours per semester.

## DESP2002

### Planning for the Built Environment

**Architecture, Design and Planning**

**Credit points:** 6 **Teacher/Coordinator:** Mr Martin Payne **Session:** Semester 2 **Classes:** 2 hours per week **Assessment:** workbook presenting studies, reviewing materials, envisaging work to be done, demonstrating critical thinking, presenting proposals **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Arch, B Des Arch, UG Study Abroad Program.

Students will be able to: undertake background studies to inform designing for various elements of the public domain (streets and roads, open space and public places, car parking, pedestrian networks and centres); formulate and respond to complex planning problems; prepare and present simple proposals; use basic terms, concepts and methods in practical urban design and planning situations.

On satisfactory completion of this unit each student will demonstrate capability: to prepare short documents, using photos, maps, drawings and other illustrations, with annotated comments and supporting text, to present planning studies and proposals; to use basic ideas (such as: vistas, viewing and over-viewing, connectivity, legibility, enclosure, uses, activities, environs, links, built form, interest, amenity networks, nodes) in reviewing design situations and preparing site analyses and proposals; to apply a critical and reflective approach in understanding planning and design situations, and in preparing informative documents which move from planning studies to proposals with supporting arguments; to be able to prepare proposals for built form outcomes and related planning instruments, with supporting studies and arguments.

This unit part of the Urban Design and Planning Stream of the Bachelor of Design in Architecture and an elective in other programs.

Student effort expected: contact hours: 2 hours per week; class preparation: 2 hours per week; assessment preparation: 30 hours per semester.



# University undergraduate units of study – E

## ECMT1010

### Business and Economic Statistics A Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** two 1-hour lectures and one 2-hour workshop per week **Prohibitions:** ECMT1011, ECMT1012, ECMT1013, MATH1015, MATH1005, MATH1905, STAT1021 **Assessment:** Workshop participation/homework; Quiz; Assignment; Mid-Semester exam; Final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, B Res Ec, UG Study Abroad Program.

This unit provides an introduction to basic statistics and its applications in economics and business disciplines. Topics include: methods for data management; analysis and interpretation of data; probability; the normal distribution; an introduction to sampling theory and hypothesis testing; and the concepts of regression analysis. A key component is the provision of instruction and experience in the use of computers and statistical software as an aid in the analysis of data. Students are expected to use data resources on the World Wide Web, retrieve data and analyse this data using Excel.

## ECMT1020

### Business and Economic Statistics B Economics and Business

**Credit points:** 6 **Session:** Semester 2, Summer Main **Classes:** 3hrs per week **Corequisites:** ECMT1010 **Prohibitions:** ECMT1021, ECMT1022, ECMT1023 **Assessment:** Two quizzes; Workshop questions/homework; Assignment; Mid-Semester exam; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Other than in exceptional circumstances, it is strongly recommended that students do not undertake Business and Economic Statistics B before attempting Business and Economic Statistics A.*

**Associated degrees:** B A, B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, B Res Ec, UG Study Abroad Program, UG Summer/Winter School.

This unit broadens the knowledge gained in the unit, ECMT1010 Business and Economic Statistics A by introducing further tools (and their applications) for use in economics, finance, marketing and accounting. This unit features practical applications. Possible topics include: further aspects of hypothesis testing including goodness-of-fit models; regression analysis including a brief introduction to logit models, time series and its applications to economics and finance; input-output analysis; index numbers and mathematics of finance. The material is further complemented by mathematical topics including matrices and partial differentiation. In addition, students are expected to use data resources on the World Wide Web, retrieve data and analyse this data using Excel.

## ECMT1551

### Econometrics Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Com, B Ec, B Ec Soc Sc, B Int S.

## ECMT2110

### Regression Modelling Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECMT1010 **Prohibitions:** ECMT2010 **Assessment:** Tutorial participation/computer work; Project; Mid-Semester exam; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program.

Students undertaking this unit have some background in basic statistics including an introduction to regression analysis. Using this knowledge as a base, an extensive discussion of basic regression theory and some of its extensions is provided. The unit covers how linear regression models can be applied to data to estimate relationships, to forecast, and to test hypotheses that arise in economics and business. Guidelines for using econometric techniques effectively are discussed and students are introduced to the process of model building. It is essential that the discussion of regression modelling be complemented with practice in analysing data. An important task is the computing component using econometric software.

## ECMT2120

### Analysis of Discrete Choice Data Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECMT2110 or ECMT2010 **Prohibitions:** ECMT2021 **Assessment:** Assignment; Mid-Semester exam; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program.

Data that are qualitative or discrete present particular problems for data analysts. What influences an individual to work part-time rather than full-time, or use public transport rather than drive to work, or to choose one brand of detergent over another? Why do certain firms choose a particular accounting procedure over another? In these examples of modelling choice data, standard linear regression models are inappropriate. This unit considers the specification, estimation and use of statistical models that are necessary to analyse such questions. These may include the logit, probit and multinomial logit models. Special emphasis is placed on illustrating the appropriate application of such models using case studies and data drawn from marketing, accounting, finance and economics.

## ECMT2130

### Financial Econometrics Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** ECMT2110 or ECMT2010 **Prohibitions:** ECMT2030 **Assessment:** Assignment; Group assignment; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

Over the last decade econometric modelling of financial data has become an important part of the operations of merchant banks and major trading houses and a vibrant area of employment for econometricians. This unit provides an introduction to some of the widely used econometric models for financial data and the procedures used to estimate them. Special emphasis is placed upon empirical work and applied analysis of real market data. Topics covered may include the statistical characteristics of financial data, the specification, estimation and testing of asset pricing models, the analysis of high frequency financial data, and the modelling of volatility in financial returns.

## ECMT2620

### Management Science Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECMT1010 and ECMT1020 **Prohibitions:** ECMT2720 **Assessment:** Two



assignments; Mid-Semester exam; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

Management science is an approach to decision making that is suitable in areas where the manager has little experience or where the problem for decision is complex. It provides an effective decision-making approach to problems important enough to justify the time and effort of quantitative analysis. This unit considers modelling in areas that practising managers might encounter in their roles as decision makers. The intended outcome of the unit is to increase the effectiveness of management decision making. The focus throughout is on practical solutions using readily available spreadsheet software. Topics may include resource allocation, capacity planning, logistics, and project planning.

### ECMT2630

#### Managerial Decision Making

##### Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** ECMT1010 **Prohibitions:** ECMT2730 **Assessment:** Assignments; Class Tests; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program.

The course is focused on economic and statistical models of decision analysis and their application in large and small business settings, as well as in a public policy framework. It will be shown how use of the models can improve the decision process by helping the decision-maker understand the structure of the decision; incorporate subjective probabilities as a way to portray risk; measure outcomes in a way that is consistent with attitudes toward risk; and understand the value of information. The importance of sensitivity analysis will be emphasised, as well as the need to combine both quantitative and qualitative considerations in decision-making. Cases will be drawn from small business scenarios, the public policy arena, and corporate settings.

### ECMT2640

#### Operations Management

##### Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** ECMT1010 **Assessment:** Assignments; Mid Semester; Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com, B Com (Liberal Studies), B Ec, UG Study Abroad Program.

The 'operations' of a company or organisation are the direct processes that a company uses to create value, and operations management is the task of managing these processes. This unit is about the fundamentals of operations management, covering both service industries and manufacturing. As a graduate working in the business sector you will certainly be exposed to operations issues - this unit will equip you to approach these issues intelligently, whether or not your role is within the operations function. One focus of the unit will be on processes: considering process organisation, process capacity, and customer service implications. A second focus of the unit will be on the supply chain, looking at the control of inventory and the connections between supply chain partners. We will also consider what it means to have high quality operations and how this can be achieved: both through statistical quality control techniques and the use of lean operations ideas.

### ECMT2901

#### Econometrics Exchange

##### Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc.

### ECMT2902

#### Econometrics Exchange

##### Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc.

### ECMT2903

#### Econometrics Exchange

##### Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc.

### ECMT3110

#### Econometric Models and Methods

##### Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** ECMT2110 or ECMT2010 **Prohibitions:** ECMT3010 **Assessment:** Assignment; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

This unit extends methods of estimation and testing developed in association with regression analysis to cover econometric models involving special aspects of behaviour and of data. In particular, motivating examples are drawn from dynamic models, panel data and simultaneous equation models. In order to provide the statistical tools to be able to compare alternative methods of estimation and testing, both small sample and asymptotic properties are developed and discussed.

### ECMT3120

#### Applied Econometrics

##### Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECMT3110 or ECMT3010 **Prohibitions:** ECMT3020 **Assessment:** Group assignment; Group Project; Mid-Semester exam; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

Econometric theory provides techniques to quantify the strength and form of relationships between variables. Applied Econometrics is concerned with the appropriate use of these techniques in practical applications in economics and business. General principles for undertaking applied work are discussed and necessary research skills developed. In particular, the links between econometric models and the underlying substantive knowledge or theory for the application are stressed. Topics will include error correction models, unit roots and cointegration and models for cross section data, including limited dependent variables. Research papers involving empirical research are studied and the unit features all students participating in a group project involving econometric modelling.

### ECMT3130

#### Forecasting for Economics and Business

##### Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECMT2110 or ECMT2010 **Prohibitions:** ECMT3030 **Assessment:** Assignment; Group assignment; Mid-Semester exam; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

The need to forecast or predict future values of economic time series arises frequently in many branches of applied economic and commercial work. It is, moreover, a topic which lends itself naturally to econometric and statistical treatment. The specific feature which



distinguishes time series from other data is that the order in which the sample is recorded is of relevance. As a result of this, a substantial body of statistical methodology has developed. This unit provides an introduction to methods of time series analysis and forecasting. The material covered is primarily time domain methods designed for a single series and includes the building of linear time series models, the theory and practice of univariate forecasting and the use of regression methods for forecasting. Throughout the unit a balance between theory and practical application is maintained.

### ECMT3150

#### The Econometrics of Financial Markets

##### Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** ECMT1010, ECMT2110 (or ECMT2010) and ECMT2130 (or ECMT2030) **Prohibitions:** ECMT3050 **Assessment:** Assignment; Group assignment; Mid-Semester exam; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

This unit develops the econometric models and methods employed for the analysis of data arising from the financial markets. It extends and complements the material covered in ECMT2130. The unit will cover econometric models that have proven useful for the analysis of both time series and cross-sectional financial data over the last two decades. Modern statistical methodology will be introduced for the estimation of such models. The econometric models and associated methods of estimation will be applied to the analysis of a number of financial datasets. Students will be encouraged to undertake hands on analysis using an appropriate computing package. Topics covered include continuous time diffusions for financial returns, discrete time financial time series, modelling conditional volatility, multivariate financial econometric models, the econometrics of financial derivatives, modelling of high frequency financial data and contemporary asset pricing. The focus of the unit will be in the econometric models and methods that have been developed recently in the area of financial econometrics.

### ECMT3160

#### Statistical Modelling

##### Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECMT2110 or ECMT2010 **Prohibitions:** ECMT3620, ECMT3720, ECMT3210 **Assessment:** Assignments; Mid-Semester exam; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Res Ec, UG Study Abroad Program.

This unit provides an accessible foundation in the principles of probability and mathematical statistics that underlie the statistical techniques employed in the fields of econometrics and management science. These principles are applied to various modelling situations and decision making problems in business and economics.

### ECMT3170

#### Computational Econometrics

##### Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** ECMT2110 or ECMT2010 **Assessment:** Assignments; Mid-Semester exam; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, B Res Ec, UG Study Abroad Program.

This unit provides an introduction to modern computationally intensive estimation methodology, its implementation and application for the estimation of econometric models. A key component of the unit will be the instruction in a programming language, and its use to implement computational econometric methods. The computational methods of estimation include Bayesian sampling scheme based approaches and other iterative algorithms for estimation of parameters in complex econometric models.

### ECMT3610

#### Management Science Models and Methods

##### Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** ECMT2620 or ECMT2720 **Prohibitions:** ECMT3710 **Assessment:** Four assignments; Two tests; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

This unit presents formulation guidelines for management science models to provide practical assistance to managerial decision making. Optimisation methods are developed so the complexity and limitations of optimisation model categories can be accounted for in model selection and in the interpretation of results. Linear programming methods are developed and extended to cover variations in the management context to logistics, networks, and strategic planning. Decision analysis and competitive structures including hierarchy structures complete a rounded program for managerial application. The unit covers a variety of case studies incorporating commercial research processes for decision support.

### ECMT3640

#### Project Planning and Management

##### Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** ECMT1010 **Prohibitions:** CIVL3805 **Assessment:** Assignments; Mid Semester; Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com, B Com (Liberal Studies), B Ec, UG Study Abroad Program.

A project is a set of activities that together achieve a particular purpose and need to be carried out within a given time frame with a limited set of resources. Each project is unique and often complex. The challenges of planning and managing projects arise from the complexity and uncertainty that characterise projects. As a graduate working in business you will almost certainly find yourself involved in project teams, and at some stage or another you are likely to take on project management responsibilities. This unit gives an introduction to the planning and management of projects looking at the problems of defining projects; network techniques for project planning and control; methods for estimating activity durations; resource constraints; and modelling methods to understand the impact of uncertainty. At the same time as discussing the techniques of project management, the unit will also use case studies to discuss some of the challenges that project managers face.

### ECMT3901

#### Econometrics Exchange

##### Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc.

### ECMT3902

#### Econometrics Exchange

##### Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc.

### ECMT3903

#### Econometrics Exchange

##### Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc.

### ECMT4101 Econometrics Honours A Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week  
**Prerequisites:** Students who want to take honours in Econometrics have to: (i) qualify for a major in Econometrics, Management Decision Sciences or Management Science; (ii) obtain a Weighted Average Mark (WAM) of at least 65 in all units of study in the degree; (iii) obtain a distinction average or better in ECMT3110 and ECMT3120; (iv) obtain a WAM of at least 75 in the senior units of study in the ECMT or MDS/ Management Science major. Variations on entry requirements are possible only with permission of the Chair of Discipline. Please see the discipline online homepage for entry requirements in detail. Note that Econometrics and Business Statistics encourages joint honours with other disciplines. **Assessment:** Assignments; Final Exams; Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Requirements for the pass degree must be completed before entry to level 4000 honours units of study*

**Associated degrees:** B Com (Hons), B Ec (Hons).

The honours year provides basic professional expertise in the general area of econometrics through instruction in advanced theory, and experience in independent research. Honours students are required to (a) complete four semester units of instruction, (b) submit a dissertation not exceeding 65 A4 pages of typescript, and (c) attend and participate in Discipline research seminars. The dissertation topic must be approved by the Discipline and progress reports are to be presented every semester. Candidates must enrol in ECMT4101, ECMT4102, ECMT4103 and ECMT4104 to complete the Honours degree. Please consult the discipline website for details before enrolling in honours.

### ECMT4102 Econometrics Honours B Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week  
**Corequisites:** ECMT4101 **Assessment:** See ECMT4101 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Ec (Hons).

See ECMT4101

### ECMT4103 Econometrics Honours C Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week  
**Corequisites:** ECMT4102 **Assessment:** See ECMT4101 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Ec (Hons).

See ECMT4101

### ECMT4104 Econometrics Honours D Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week  
**Corequisites:** ECMT4103 **Assessment:** See ECMT4101 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Ec (Hons).

See ECMT4101

### ECMT4601 Management Decision Sciences Honours A Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week  
**Prerequisites:** Students who want to take honours in Management Decision Sciences have to: (i) qualify for a major in Econometrics, Management Decision Sciences or Management Science; (ii) obtain a Weighted Average Mark (WAM) of at least 65 in all units of study in the degree; (iii) obtain a distinction average or better in ECMT3610; (iv) obtain a WAM of at least 75 in the senior units of study in the ECMT or MDS/ Management Science major. Variations on entry requirements are possible only with permission of the Chair of Discipline. Please see the discipline online homepage for entry requirements in detail. Note that Econometrics and Business Statistics encourages joint honours with other

disciplines. **Assessment:** Assignments; Exams; Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Requirements for the Pass degree must be completed before entry to level 4000 honours units of study.*

**Associated degrees:** B Com (Hons), B Ec (Hons).

The honours year provides basic professional expertise in the general area of Management Decision Sciences, through instruction in advanced theory and experience in independent research. Honours students are required to (a) complete four semester units of instruction, (b) submit a dissertation not exceeding 65 A4 pages of typescript, and (c) attend and participate in Discipline research seminars. The dissertation topic must be approved by the Discipline and progress reports are to be presented every semester. Students should consult the discipline website before enrolling in honours in Management Decision Sciences.

### ECMT4602 Management Decision Sciences Honours B Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week  
**Corequisites:** ECMT4601 **Assessment:** See ECMT4601 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Ec (Hons).

See ECMT4601

### ECMT4603 Management Decision Sciences Honours C Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week  
**Corequisites:** ECMT4602 **Assessment:** See ECMT4601 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Ec (Hons).

See ECMT4601

### ECMT4604 Management Decision Sciences Honours D Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week  
**Corequisites:** ECMT4603 **Assessment:** See ECMT4601 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Ec (Hons).

See ECMT4601

### ECMT9001 Econometrics Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S.

### ECMT9002 Econometrics Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S.

### ECMT9003 Econometrics Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S.

**ECMT9004****Econometrics Extension  
Economics and Business**

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S.

**ECOF1001****Communication and Critical Analysis 1A  
Economics and Business**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hr seminar per week  
**Prohibitions:** ECOF1002 **Assessment:** Two essays; Seminar paper; Learning journal; Summary exercise and class participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com, B Com (Liberal Studies), B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit aims to enhance oral and written communication skills and in the process provide a greater understanding of the philosophy underlying academic discourse. Weekly classes are oriented around a progressive series of tasks which consider academic texts in context and require learners to understand, analyse and produce spoken and written texts appropriate to the context of academic English. The contextualisation of these tasks is the philosophical aspects of critical analysis. Themes, such as the difference between convention, fact, opinion and preference; deductive and inductive proof; validity and truth; evidence; and the ethics of persuasion, are the basis on which the skills are taught.

**ECOF1002****Communication and Critical Analysis 1B  
Economics and Business**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hr seminar and a 1 hr tutorial per week **Prohibitions:** ECOF1001 **Assessment:** Two essays; Seminar paper; Learning journal; Summary exercise and class participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This unit of study is meant for students from a non-English speaking background.*

**Associated degrees:** B Com, B Com (Liberal Studies), B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit aims to enhance oral and written communication skills and in the process provide a greater understanding of the philosophy underlying academic discourse. Weekly classes are oriented around a progressive series of tasks which consider academic texts in context and require learners to understand, analyse and produce spoken and written texts appropriate to the context of academic English. The contextualisation of these tasks is the philosophical aspects of critical analysis. Themes, such as the difference between convention, fact, opinion and preference; deductive and inductive proof; validity and truth; evidence; and the ethics of persuasion, are the basis on which the skills are taught.

**ECOF1551****General Exchange  
Economics and Business**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

**ECOF2101****Economics/Commerce Exchange  
Economics and Business**

**Credit points:** 8 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

**ECOF2102****Economics/Commerce Exchange****Economics and Business**

**Credit points:** 8 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

**ECOF2551****Economics/Commerce Exchange  
Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

**ECOF2552****Economics/Commerce Exchange  
Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

**ECOF3001****Business Strategy  
Economics and Business**

**Credit points:** 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** 2 hrs of lectures and 1 tutorial hour per week **Prerequisites:** Completed a minimum of 96 credit points in Economics and Business units of study (including ECON1001 and ECON1002) **Assessment:** Test; group case study; exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com, UG Summer/Winter School.

Many organisations are faced with fast-paced change. The ability of organisations to develop effective strategic responses to these changes has become central to their survival and success. While the traditional focus of the academic study of business strategy has been on the formulation process, more contemporary analyses suggest that, in a context of fast paced change, effective strategy is a product of well developed strategic thinking throughout the organisation and the ability to rapidly and effectively implement strategic change. This unit of study, which acts as a capstone unit for students undertaking a Bachelor of Commerce, focuses on these two key issues. The first section of the unit of study revisits some of the core economic concepts introduced to students in their first year of study and examines how they can be used to analyse the strategic challenges facing commercial organisations. The second section of the unit of study focuses on the implementation and management of strategic change. Drawing on research on organisational change and strategy implementation, it provides students with insights into the process of managing strategic change.

**ECOF3101****Economics/Commerce Exchange  
Economics and Business**

**Credit points:** 8 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

**ECOF3102****Economics/Commerce Exchange  
Economics and Business**

**Credit points:** 8 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

## ECOF3551

### Economics/Commerce Exchange Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

## ECOF3552

### Economics/Commerce Exchange Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

## ECOF9001

### Economics/Commerce Extension Economics and Business

**Credit points:** 1 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Com, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec (Soc Sc), B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program.

## ECOF9002

### Economics/Commerce Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Com, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec (Soc Sc), B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program.

## ECOF9003

### Economics/Commerce Extension Economics and Business

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Com, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec (Soc Sc), B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program.

## ECON1001

### Introductory Microeconomics Economics and Business

**Credit points:** 6 **Session:** Semester 1, Summer Main **Classes:** 1 x 2hr lecture and 1 tutorial per week **Assumed knowledge:** Mathematics **Assessment:** Online tests, mid semester exam, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B Com, B E, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program, UG Summer/Winter School.

Introductory Microeconomics addresses the economic decisions of individual firms and households and how these interact in markets. It is a compulsory core unit for the Bachelor of Economics and Bachelor of Commerce and an alternative core unit for the Bachelor of Economic and Social Science. Economic issues are pervasive in contemporary Australian society. Introductory Microeconomics introduces students to the language and analytical framework adopted in Economics for the examination of social phenomena and public policy issues. Whatever one's career intentions, coming to grips with economic ideas is essential for understanding society, business and government. Students are given a comprehensive introduction to these ideas and are prepared for the advanced study of microeconomics in subsequent years.

## ECON1002

### Introductory Macroeconomics Economics and Business

**Credit points:** 6 **Session:** Semester 2, Summer Main **Classes:** 1 x 2hr lecture and 1 tutorial per week **Assumed knowledge:** Mathematics **Assessment:** 2 in-class tests, Tutorial Assessment, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B Com, B E, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program, UG Summer/Winter School.

Introductory Macroeconomics addresses the analysis of the level of employment and economic activity in the economy as a whole. It is a compulsory core unit for the Bachelor of Economics (BEc) and for the Bachelor of Commerce and an alternative core unit for the Bachelor of Economic and Social Science. Introductory Macroeconomics examines the main factors that determine the overall levels of production and employment in the economy, including the influence of government policy and international trade. This analysis enables an exploration of money, interest rates and financial markets, and a deeper examination of inflation, unemployment and economic policy.

## ECON4101

### Economics Honours A Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Classes:** 6 hrs per week **Prerequisites:** The prerequisite for entry to Economics Honours is at least 24 credit points at 3000 level Economics, including Advanced Microeconomics: (ECOS3901 or ECON3901) and Advanced Macroeconomics (ECOS3902 or ECON3902) with a Credit average or better in ECOS3901 and 3902; and Regression Modelling (ECMT2110 or ECMT2010) and Applied Economics (ECOS3903). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Requirements for the Pass degree must be completed before entry to 4000 level honours units of study.*

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons), B Int S (Hons).

To complete the requirement for Economics (Honours), students need to complete six semester-length options from a list of options offered and complete a thesis. The list of options available may vary from year to year, but usually include advanced macroeconomics, advanced microeconomics, development economics, economic classics, industrial economics, international economics, labour economics, and public economics. Candidates must enrol in ECON4102, ECON4103 and ECON4104 to complete the honours year.

## ECON4102

### Economics Honours B Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Classes:** 6 hrs per week **Corequisites:** ECON4101 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons), B Int S (Hons).

see ECON4101

## ECON4103

### Economics Honours C Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Classes:** 6 hrs per week **Corequisites:** ECON4102 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons), B Int S (Hons).

see ECON4101

## ECON4104

### Economics Honours D Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Classes:** 6 hrs per week **Corequisites:** ECON4103 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons), B Int S (Hons).

see ECON4101

### ECON9001

#### Economics Extension

#### Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Com, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com.

### ECON9002

#### Economics Extension

#### Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Com, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com.

### ECON9003

#### Economics Extension

#### Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Com, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com.

### ECON9004

#### Economics Extension

#### Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Com, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com.

### ECOP1001

#### Economics as a Social Science

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Frank Stilwell **Session:** Semester 1, Summer Main **Classes:** 2 lectures and 1 tutorial per week **Assessment:** Tutorial participation; mini essay; essay; 1 1/2 hour final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program, UG Summer/Winter School.

Economic concerns are central to modern society and politics. Yet economists are deeply divided in their views about how the economy works and how it could be made to work better. This unit of study explores the principal competing currents of economic thought - classical, neo-classical, institutional, Marxian and Keynesian. It looks at how these rival economic theories influence views about economic policy and the future of capitalism. This provides a solid foundation for subsequent study of economics and political economy.

*Textbooks*

F. Stilwell, Political Economy: the Contest of Economic Ideas (Oxford U.P.)

### ECOP1003

#### International Economy and Finance

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr B. Dunn **Session:** Semester 2 **Classes:** 2 lectures and 1 tutorial per week **Assessment:** Tutorial participation; tutorial presentation, essay, 1 1/2 hour final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program.

The world economy has changed dramatically since World War 2, especially with the renewed 'globalisation' from the 1980s. This unit traces the historical patterns of globalisation. It analyses the debates about whether globalisation has been for the better or worse overall, and who would have been the winners and the losers in this process. The unit explores the changing theories that have been used to explain and evaluate global economic integration. The unit concurrently explores the forms of, and debates about, the regulation of economic activity on a global scale, addressing the development and changing roles of states and international agencies (World Bank, International Monetary Fund, World Trade Organisation), and evaluates their capacity to generate global equity and economic stability.

### ECOP1004

#### Economy and Society

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr D Cahill **Session:** Semester 2 **Classes:** 2 lectures and 1 tutorial per week **Assessment:** tutorial participation; mini essay; essay; 1 and 1/2 hour examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit examines the processes by which economic activity is embedded within a broader social structure. Attention is given to the key institutions that channel economic activity, the processes by which capitalist markets are regulated, and the distinctive features of capitalist economies. The subject is organised around a range of conceptual tools which elaborate these themes, followed by analysis of particular case studies that illustrate the social constitution, dynamics and regulation of particular markets.

### ECOP1551

#### Political Economy Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

### ECOP1552

#### Political Economy Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

### ECOP2011

#### Economics of Modern Capitalism

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr J Halevi **Session:** Semester 1 **Classes:** 2 lectures and 1 tutorial per week **Prerequisites:** ECOP1001 and either (ECOP1002 or ECOP1003) **Prohibitions:** ECOP2001 **Assessment:** Tutorial participation and presentation; Essay; 1 and 1/2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit of study considers the economic foundations of modern capitalism. It explores the central concerns in political economy by looking at classical, Marxian, neo-Marxist and post-Keynesian theories and their applications. It thereby illuminates the connections between the production of goods and services, the distribution of income and economic growth.

### ECOP2012

#### Social Foundations of Modern Capitalism

#### Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 lectures and 1 tutorial per week **Prerequisites:** ECOP1001 and either (ECOP1002 or ECOP1003)

**Prohibitions:** ECOP2002 **Assessment:** Essay; Tutorial presentation/participation; 1 and 1/2 hour examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

Economic activity is 'embedded' within a broader social structure. So it is necessary to understand the institutional fabric by which the economy is constructed. This unit looks at the institutions of capital, labour, the family and the state that channel economic activity and the importance of class and other social struggles in the historical transformations of those institutions. It examines how governments respond to the imperatives for economic and social order and how the state acts to regulate institutions, and socio-economic relations, to establish stability and maintain capital accumulation. Several illustrative case studies and policy areas are studied.

## ECOP2550

### Political Economy Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

## ECOP2551

### Political Economy Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

## ECOP2552

### Political Economy Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

## ECOP2612

### Economic Policy in Global Context

#### Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 lectures and 1 tutorial per week **Prerequisites:** ECOP1001 and either (ECOP1002 or ECOP1003) **Assessment:** Essay, mini-essay, tutorial participation, 1 and 1/2 hour examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit examines the processes by which economic activity is embedded within a broader social structure. Attention is given to the key institutions that channel economic activity, the processes by which capitalist markets are regulated, and the distinctive features of capitalist economies. The subject is organised around a range of conceptual tools which elaborate these themes, followed by analysis of particular case studies that illustrate the social constitution, dynamics and regulation of particular markets.

## ECOP2911

### Political Economy Honours II

#### Arts

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** Credit average in ECOP1001 and (ECOP1002 or ECOP1003) **Corequisites:** ECOP2011 or ECOP2012 **Prohibitions:** ECOP2901 **Assessment:** Seminar presentation; Seminar paper; Seminar participation; Seminar questions; Good Society paper; Essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

This unit of study introduces students to some of the big debates in the social sciences, through an exploration of the meaning and limits of class concepts in social theory. Structure and agency, fact and interpretation, the politics of theory, and the nature of the Good Society are all considered. The unit is both an enrichment program adding breadth to the range of issues you study in Pass units of study, and an advanced program adding depth to your analytical and writing skills in Political Economy, in preparation for a third year studies and for a final honours year.

## ECOP3012

### Global Political Economy

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr B Dunn **Session:** Semester 1 **Classes:** 2 lectures and 1 tutorial per week **Prerequisites:** ECOP1001 and either (ECOP1002 or ECOP1003) **Prohibitions:** ECOP3002 **Assessment:** Presentation; Group Report; Essay; Participation; 1 and 1/2 hour examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit of study presents a historical and institutional perspective on the development of the capitalist world economy since 1945. The analysis starts with a historical and theoretical introduction covering the determinants of profits and accumulation and the role of external markets in economic growth. It then addresses two key issues in this development: including: the formation of the international monetary system and its crisis following the end of the long boom; and the global role of the United States and the formation of two growth poles: Germany in Europe and Japan in Asia.

## ECOP3014

### Political Economy of Development

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr S Engel **Session:** Semester 2, Summer Main **Classes:** 2 lectures and 1 tutorial per week **Prerequisites:** ECOP1001 and either (ECOP1002 or ECOP1003) **Prohibitions:** ECOP3004 **Assessment:** Class participation; Minor Essay; Research essay; 1 and 1/2 hour examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program, UG Summer/Winter School.

This unit of study deals with the structural and cultural problems of poorer countries, and their post-colonial experiences. Students are introduced to particular theories explaining economic growth and the obstacles to development. These theories are applied to a range of contemporary issues in developing countries, such as industrialisation, structural adjustment and poverty, human rights, gender, the role of NGOs, development assistance and credit and debt. Case studies include current development issues in countries including India, Cuba and East Timor.

## ECOP3015

### Political Economy of the Environment

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr S Rosewarne **Session:** Semester 1, Summer Late **Classes:** 2 lectures and 1 tutorial per week **Prerequisites:** ECOP1001 and either (ECOP1002 or ECOP1003) **Prohibitions:** ECOP3005 **Assessment:** Group/individual project; Essay; 1 and 1/2 hour examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program, UG Summer/Winter School.

This unit of study critically examines the environmental foundations of the political economy. Two dimensions are explored: how economists and political economists theorise economic interactions with the environment; and how environmental problems emerge and are managed within the capitalist political economy. Attention is given to developing theories of environmental economics, ecological

economics and range of radical critiques of human interactions with ecological systems. Individual environmental concerns are explored through a series of workshops that focus on the nature of the problems, policy prescriptions and the forces shaping particular environmental management strategies.

### ECOP3017

#### Political Economy of Human Rights

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr T Anderson **Session:** Semester 1 **Classes:** 1 x 2 hr lecture and 1 tutorial per week **Prerequisites:** ECOP1001 and either (ECOP1002 or ECOP1003) **Prohibitions:** ECOP3007 **Assessment:** Class participation; Minor Essay; Research Essay; 1 and 1/2 hour examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

Debates about human rights and democratic legitimacy are linked to structural economic arguments and to cultural and structural debates over the process of socioeconomic change. This unit of study introduces the competing arguments over rights, the distinction between formal and effective rights and the social struggles that have created them. The approach of economic liberalism, emphasising property rights and the role of competition as an arbiter of equal opportunities in society, is discussed. Similarly, a rights analysis of market regulation and social and corporate welfare is pursued, with international and domestic case studies. The unit also includes discussions on indigenous rights and labour rights, the globalisation of capital and citizenship, and structural and cultural arguments over the nature of socioeconomic change.

### ECOP3019

#### Finance: Volatility and Regulation

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof R Bryan **Session:** Semester 2 **Classes:** One 2 hour lecture and 1 hour tutorial per week **Prerequisites:** ECOP1001 and either (ECOP1002 or ECOP1003) **Prohibitions:** ECOP3009 **Assessment:** Long essay, Short essay, 1 and 1/2 hour examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

Foreign exchange, international bond and derivative markets have expanded dramatically over the past 20 years. This unit of study examines reasons for the growth of these markets and their vulnerability to some form of volatility and crisis. Case studies of individual corporate financial crises and national financial crises are considered. The unit also addresses the regulation of financial markets, both on a national and international scale. It looks at the history of regulation, key regulatory and monitoring agencies, and arguments for a new international financial architecture.

### ECOP3551

#### Political Economy Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

### ECOP3552

#### Political Economy Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

### ECOP3553

#### Political Economy Exchange

### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

### ECOP3620

#### Distribution of Income and Wealth

##### Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** ECOP1001 and either (ECOP1002 or ECOP1003) **Assessment:** mini essay, essay, tutorial participation, 1 and 1/2 hour examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

The distribution of income and wealth is unequal in all nations, but the extent of inequality varies. What determines the size of these disparities? How have they changed over time? How do governments influence the distribution of income and wealth? Are alternative economic policies feasible? This unit explores how political economic analysis can be applied to the study of these issues of economic inequality.

### ECOP3911

#### Theories in Political Economy

##### Arts

**Credit points:** 6 **Session:** Semester 1 **Classes:** One 2 hour class per week **Prerequisites:** Credit average in 4 intermediate or senior ECOP units including (ECOP2911 or (ECOP2901 and ECOP2902)) **Prohibitions:** ECOP3901 **Assessment:** Seminar presentation; Essay; Class participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Third year students who have not completed the prerequisites should consult the Department of Political Economy about alternative requirements.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

This unit of study looks at the various theoretical frameworks within which political economic analysis is constructed. It compares the methodologies of the principal schools of economic thought with particular emphasis on the non-neoclassical approaches to the study of economic issues. The unit is required preparation for intending honours students but is also available to pass students with a credit average in previous units.

### ECOP3912

#### Research in Political Economy

##### Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** One 2 hour class per week **Prerequisites:** Credit average in 4 intermediate or senior ECOP units including (ECOP2911 or (ECOP2901 and ECOP2902)) **Prohibitions:** ECOP3902 **Assessment:** Seminar participation; Epistemology paper; Evidence paper; Research plan. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Third year students who have not completed the prerequisites should consult the Department of Political Economy about alternative requirements.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

This unit considers the variety of research methods that can be used in Political Economy. Discussion of methodology is a principal focus. Practical consideration is also given to research materials, bibliographical access, quantitative methods, surveys and fieldwork. This is important preparation for students intending to do an honours dissertation, but the unit is also available to pass students with a credit average in previous units.

### ECOP4001

#### Political Economy Honours A

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Assoc Prof R Bryan **Session:** Semester 1, Semester 2 **Prerequisites:** (ECOP2911 or (ECOP2901 and ECOP2902)) and (ECOP3911 or ECOP3901) and (ECOP3912 or ECOP3902) and (ECOP2011 or ECOP2001) and (ECOP2012 or ECOP2002) plus two other

senior level ECOP units. Students who do not meet this requirement may apply to the honours coordinator for a waiver to permit their entry to honours.  
**Corequisites:** ECOP4004, ECOP4003 **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Soc Sc)(Hons), B Int S (Hons).

All students are required to undertake a 20,000 word dissertation and coursework during their final honours year. The dissertation is on a topic of each student's own choice, subject to staff approval: the dissertation proposal is normally developed during the preceding year of studies in Political Economy honours. The coursework requirement is two semester-length units. Students may choose one of these units from among those on offer in other programs in another department, subject to the agreement of the relevant discipline and the Director of the Political Economy honours program.

## ECOP4002

### Political Economy Honours B

#### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ECOP4001, ECOP4003 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Soc Sc)(Hons), B Int S (Hons).

See ECOP4001

## ECOP4003

### Political Economy Honours C

#### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ECOP4001, ECOP4002 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Soc Sc)(Hons), B Int S (Hons).

See ECOP4001

## ECOP4004

### Political Economy Honours D

#### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** (ECOP2911 or ECOP2901 and ECOP2902) and (ECOP3911 or ECOP3901) and (ECOP3912 or ECOP3902) and (ECOP2011 or ECOP2001) and (ECOP2012 or ECOP2002) plus two other senior level ECOP units of study **Corequisites:** ECOP4003 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Soc Sc)(Hons), B Int S (Hons).

See ECOP4001

## ECOP9001

### Political Economy Extension

#### Arts

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

## ECOP9002

### Political Economy Extension

#### Arts

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

## ECOP9003

### Political Economy Extension

#### Arts

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

## ECOP9004

### Political Economy Extension

#### Arts

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

## ECOS1551

### Economics Exchange

#### Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec.

## ECOS2001

### Intermediate Microeconomics

#### Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** 1 x 2hr lecture and 1 tutorial hour per week **Prerequisites:** ECON1001 **Corequisites:** ECMT1010 **Prohibitions:** ECON2001, ECOS2901, ECON2901 **Assessment:** Tutorials, 2 in-class tests, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Certain combinations of Maths/Stats may substitute for Econometrics - consult the Chair of the Discipline of Economics.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program, UG Summer/Winter School.

The aim of Intermediate Microeconomics is the development of theoretical and applied skills in economics. It covers applications and extensions of the theory of consumer choice, firm behaviour and market structure. Emphasis is given to the economics of information and choice under uncertainty; industry structures other than monopoly and perfect competition; markets for factors of production; general equilibrium and economic efficiency; market failure and the role of government. This unit provides a basis for the more specialised options that comprise third year economics.

## ECOS2002

### Intermediate Macroeconomics

#### Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** 1 x 2hr lecture and 1 tutorial hour per week **Prerequisites:** ECON1002 **Corequisites:** ECMT1020 **Prohibitions:** ECON2002, ECOS2902, ECON2902 **Assessment:** 1 Mid Semester exam, Final exam, Assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Certain combinations of Maths/Stats may substitute for Econometrics - consult the Chair of the Discipline of Economics.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program, UG Summer/Winter School.

This unit of study develops models of the goods, money and labour markets, examines issues in macroeconomic policy. Macroeconomic relationships, covering consumption, investment, money and employment, are explored in detail. Macro-dynamic relationships, especially those linking inflation and unemployment, are also considered. Exchange rates and open economy macroeconomics are also addressed. In the last part of the unit, topics include the determinants and theories of economic growth, productivity and



technology, the dynamics of the business cycle, counter-cyclical policy and the relationship between micro and macro policy in the context of recent Australian experience.

### ECOS2201

#### Economics of Competition and Strategy Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 x 2hr lecture and 1 tutorial hour per week **Prerequisites:** ECON1001, ECON1002 **Prohibitions:** ECON2201, ECOS3005 **Assessment:** 2 mid-semester exams, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program.

This course introduces new and comprehensive methods for the analysis and formation of business strategy. The unit analyses strategies for developing competitive advantages, including product differentiation, cost advantages and product life cycles; implementing incentives, control, firm boundaries, and internal firm decision-making mechanisms; implementing pricing, auction and signalling practices; assessing industry attractiveness and the regulatory/trade practices environment; and managing industry cooperation and conflict. Students are taught a set of tools that they can bring to bear on new problems. Understanding competitive dynamics and strategic thinking are emphasised. Case studies and problem-solving form an important part of the teaching method.

### ECOS2306

#### Managerial Firms: Evolution & Attributes Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 x 2hr lecture and 1 tutorial hour per week **Prerequisites:** ECON1001, ECON1002 **Prohibitions:** ECHS2306, ECOS3003, ECON3003 **Assessment:** mid semester tests, assignment, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program.

The large managerial firm, operating in a number of product and geographic markets and controlled by managers rather than owners, plays a major role in modern economies. Although it is now being challenged by new institutions such as LBOs and strategic alliances, the large managerial firm is itself a recent phenomenon which only began to emerge in the 1880s. This unit of study analyses the development of the large managerial firm since the 1880s, distinguishing between firms in standardised mass production industries and those in industries where technology has changed rapidly since the 1970s. It also distinguishes between managerial firms that emerged in the West with those in Japan. In analysing the attributes of managerial firms in different regimes, the unit focuses on two main issues: the nature of corporate competencies, and the role of imperfect information within managerial firms and markets, alliances, and networks. The unit includes detailed analysis of case studies drawn from the USA, Australia, and Japan.

### ECOS2551

#### Economics Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec.

### ECOS2552

#### Economics Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec.

### ECOS2901

#### Intermediate Microeconomics Honours Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 x 2hr lecture and one tutorial per week **Prerequisites:** ECON1001 and ECON1002 with a Credit average or better in the two units of study combined **Corequisites:** ECOS2903 and ECMT1010 **Prohibitions:** ECON2901, ECOS2001, ECON2001 **Assessment:** 2 mid semester exams, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec.

This unit is comprised of lectures based upon the curriculum for ECOS2001 Intermediate Microeconomics, supported by a seminar for one hour a week. The content of lectures reflect a more analytical and critical treatment of the topics than ECOS2001. The topics, which build on the theory of consumer and firm behaviour and market structure, include game theory, oligopoly, general equilibrium and welfare, externalities and public goods and the economics of information.

### ECOS2902

#### Intermediate Macroeconomics Honours Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 x 2hr lecture and 1 tutorial hour per week **Prerequisites:** ECON1001 and ECON1002 with a Credit average or better in the two units of study combined **Corequisites:** ECMT1020 **Prohibitions:** ECON2902, ECOS2002, ECON2002 **Assessment:** Assignments, mid semester exam, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec.

This unit is comprised of lectures based upon the curriculum for ECOS2002 Intermediate Macroeconomics, supported by a seminar for one hour a week. The content of lectures reflects a more intensive treatment of the topics than ECOS2002. Topics covered include: models of the goods, money and labour markets; macro-economic relationships such as consumption, investment, demand for money and labour demand and supply; macro-dynamic relationships, especially those linking inflation and unemployment; exchange rates and open economy macroeconomics; theories of economic growth; productivity and technological change; the dynamics of the business cycle; and the relationship between micro- and macro-economic policy.

### ECOS2903

#### Mathematical Economics A Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 x 2hr lecture and 1 tutorial hour per week **Corequisites:** ECOS2901 **Prohibitions:** ECON2903 **Assessment:** Problem sets/quizzes, 1 mid semester exam, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S, B Res Ec.

This unit provides an introduction to mathematical techniques commonly employed by economists. Topics include: limits, continuity, differentiation of single- and multi-variable functions, unconstrained and constrained optimisation.

### ECOS3001

#### Capital and Growth Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 x 2 hr lecture per week and 1 tutorial hour per fortnight **Prerequisites:** One of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) or (ECOP2011 or ECOP2001) and one of (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) or (ECOP2012 or ECOP2002) **Prohibitions:** ECON3001 **Assessment:** 2 mid semester exams,

Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program.

This unit is an introduction to economic growth including its causes and consequences. The role of capital, technological progress, and other determining factors of the development of economies are studied from the point of view of alternative economic theories. The potential effects of growth and structural change on welfare, income distribution, and employment are looked at in the same contexts with some consideration of the empirical evidence. The role of alternative economic policies and economic institutions in promoting growth is also discussed.

### ECOS3002

#### Development Economics Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 x 2 hr lecture per week and 1 tutorial hour per fortnight **Prerequisites:** One of (ECOS2001 or ECON2001) or (ECOS2002 or ECON2002) or (ECOS2901 or ECON2901) or (ECOS2902 or ECON2902) **Prohibitions:** ECON3002 **Assessment:** 2 in-class tests, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program.

This unit examines the role of the state, rationale for planning and market mechanisms in developing economies, and also the sociocultural preconditions and economic requirements for a market economy. It focuses on a wide range of developmental problems and issues from both microeconomic and macroeconomic points of view. It closely studies the integration process of the traditional segment of a developing society into its modern counterpart in countries selected from Asia, Africa, Latin America, the Caribbean, and the Pacific regions.

### ECOS3003

#### Hierarchies, Incentives & Firm Structure Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 x 2 hr lecture per week and 1 tutorial hour per fortnight **Prerequisites:** Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) **Prohibitions:** ECON3003 **Assessment:** 2 mid-semester exams, Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program.

This unit deals with the coordination and motivation problems faced by firms. More specifically this unit examines: whether firms use price or command mechanisms to allocate resources within firms; the problems associated with designing incentive contracts; the principles of efficient contract design and; the real world applications of those principles. The final section deals with the manner in which the coordination and motivation problems faced by firms determines their financial, vertical and horizontal structure.

### ECOS3004

#### History of Economic Thought Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 x 2 hr lecture per week and 1 tutorial hour per fortnight **Prerequisites:** 1 of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) or (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) or (ECOP2011 or ECOP2001) or (ECOP2012 or ECOP2002) **Prohibitions:** ECON3004 **Assessment:** Essay, 1 mid semester exam, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program.

Where do the current beliefs - theories, doctrines, postulates and attitudes - of modern economics come from? If current theories and doctrines have a definite historical beginning, what schools of thought

did they supplant? Are there alternative or dissident views which subsisted alongside mainstream economics in the twentieth century - and if so, what are they and where did they originate from? This unit seeks to answer these questions, as well as others. It provides an overview of the development of economic ideas from the seventeenth to the twentieth century, combined with a more intensive focus on the thought of certain key figures in that history. The particular topics covered include: the formation of economics to 1776; Adam Smith; classical economics from Smith to J.S. Mill; the rise of marginalist economics; John Maynard Keynes; and orthodox and heterodox currents in twentieth century economics.

### ECOS3005

#### Industrial Organisation Economics and Business

**Credit points:** 6 **Session:** Semester 2, Summer Main **Classes:** 1 x 2 hr lecture per week and 1 tutorial hour per fortnight **Prerequisites:** One of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) **Prohibitions:** ECON3005, ECOS2201 **Assessment:** 1 Mid semester exam, final exam, problem sets **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program, UG Summer/Winter School.

This unit of study examines the nature of inter-firm rivalry in industries with market power. It explores the various ways in which firms can increase their market power by: extracting more surplus from consumers, by colluding with rivals or by excluding entrants. The unit also analyses the international competitiveness of industries in the context of industry assistance and the prevalence of foreign multinationals. Competition policy is also discussed.

### ECOS3006

#### International Trade Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 x 2 hr lecture per week and 1 tutorial hour per fortnight **Prerequisites:** Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) **Prohibitions:** ECON3006 **Assessment:** 1 Mid semester exam, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program.

This unit of study provides a systematic analysis of the theory of international trade and trade policy. Initially differences between countries are emphasised as the source of trade and the gains from trade. Models that are examined include the Classical-Ricardian model, the Heckscher-Ohlin model and the Specific-Factors model. Next economics of scale and imperfect competition are introduced as sources of trade and gains from trade. The unit concludes with an examination of empirical studies aimed at testing trade theories. The analysis of trade policy begins with a discussion of the instruments of trade policy, in particular, tariffs and quotas and their effect on welfare. This discussion is then extended to the case of imperfect competition and strategic trade policy.

### ECOS3007

#### International Macroeconomics Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 x 2 hr lecture per week and 1 tutorial hour per fortnight **Prerequisites:** One of (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) **Prohibitions:** ECON3007 **Assessment:** Assignments; 1 Mid-semester exam; Final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program.

This unit studies macroeconomic theory and policy in a global trading world. The microfoundations of the various sectors are examined in the context of an open economy. The evolution of international money and capital markets is described, the operation of the foreign exchange market is examined, showing how its microstructure affects its macro

performance. Theories and tests of the efficiency of international capital markets are surveyed, as well as core theories and tests of exchange rate and asset price determination. The unit develops the macroeconomic implications of monetary and fiscal policies for small and large open economies for different regimes.

### ECOS3008 Labour Economics Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 x 2 hr lecture per week and 1 tutorial hour per fortnight **Prerequisites:** One of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) or (ECOP2011 or ECOP2001) and one of (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) or (ECOP2012 or ECOP2002) **Prohibitions:** ECON3008 **Assessment:** 1 Essay, mid-semester exam, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program.

This unit aims to provide an understanding of labour markets and related issues such as work conditions, pay and employment levels. Labour supply and demand, theories of wage determination, labour mobility and discrimination are examined. It also analyses the role of trade unions and labour market contracts. These topics are applied to current issues in Australian labour markets such as enterprise bargaining, the role of centralised wage fixing systems, training and other labour market programs. Policies designed to improve the functioning of the labour market are examined and particular attention is given to the problem of persistent unemployment.

### ECOS3010 Monetary Economics Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 x 2 hr lecture per week and 1 tutorial hour per fortnight **Prerequisites:** one of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) or (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) **Prohibitions:** ECON3010 **Assessment:** 1 Multiple choice exam, written paper, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program.

This unit provides an overview of the main elements of monetary economics, with emphasis upon macroeconomic issues - analysis of economic processes in which money enters the picture in an essential manner. The content primarily concerns economic principles and theory, but there is also considerable focus on the Australian monetary system and monetary policy in particular. The particular topics covered include: functions of money; the concept of 'liquidity'; money demand; determinants of money supply changes; financial crises and the 'lender of last resort' function of central banking; the Reserve Bank of Australia and the Australian Prudential Regulation Authority; term and risk structures of interest rates; alternative theories of the level of the rate of interest; the monetary policy transmission mechanism; monetary policy instrument choice; central bank credibility; policy reaction functions; the global monetary system; and Reserve Bank market operations.

### ECOS3011 Public Finance Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 x 2 hr lecture per week and 1 tutorial hour per fortnight **Prerequisites:** Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) **Prohibitions:** ECON3010 **Assessment:** 1 mid semester exam, 1 essay, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program.

Public Finance is about the taxing and spending decisions of governments. The unit covers a wide range of public finance topics. After an introduction to welfare economics and the role of government in the economy, the unit focuses on the revenue side of the budget:

tax incidence, efficient and equitable taxation, the Australian system of revenue raising, issues of tax reform and the theory and practice of public utility pricing. It then focuses on the expenditure side of the government budget: public goods, externalities, and programs aimed at redistribution. It also introduces techniques of policy evaluation.

### ECOS3012 Strategic Behaviour Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 x 2 hr lecture per week and 1 tutorial hour per fortnight **Prerequisites:** Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901). **Prohibitions:** ECON3012, ECOS3901 **Assessment:** 1 mid semester exam, online quizzes, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program.

To think and act strategically, one needs to evaluate the effect of one's actions on the actions of others. As most economic decisions are strategic, such as the decision to lower a price or introduce a new tax, economics, if it is to avoid simplistic models, requires a theoretical framework capable of illuminating strategic behaviour. This unit offers a comprehensive, critical introduction to the theory which purports, not only to satisfy this theoretical need, but also potentially to unify the social sciences: game theory. After examining important concepts of game theory, the unit investigates the repercussions for the theory of bargaining and for the evolution of social institutions.

### ECOS3016 Experimental and Behavioural Economics Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 x 2 hr lecture per week and 1 tutorial hour per fortnight **Prerequisites:** ECOS2001 (or ECON2001) OR ECOS2901 (or ECON2901) **Assessment:** Assignments; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com, B Com (Liberal Studies), B Ec, UG Study Abroad Program.

Experimental economics uses experimental methods to evaluate the performance of economic models, institutions and policies. Behavioural economics combines experimental and field evidence with insights from neighbouring disciplines such as psychology, to develop richer economic models of decision-making. This unit will develop the key research methods and major findings of each of these fields, and explore both theoretical and practical implications. Students will read a number of seminal research papers in both experimental and behavioural economics, and will have opportunities to participate in classroom experiments, to analyse experimental data, and to design and program their own research projects.

### ECOS3017 Health Economics Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 x 2 hr lecture per week and 1 tutorial hour per fortnight **Prerequisites:** ECOS2001 (or ECON2001) OR ECOS2901 (or ECON2901) **Assessment:** Two in-class tests; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com, B Com (Liberal Studies), B Ec, UG Study Abroad Program.

The purpose of this course is to introduce the student to the methods of health economics and demonstrate how these methods can be applied to analyse issues in health policy and management. This course will teach the student to use economic analysis to understand critical issues in health care and health policy. Topics covered include the institutions of the Australian system of health care and health statistics, evaluation techniques, production of health, demand for health care and technology, moral hazard and adverse selection in health insurance markets, health labour markets, including physician-patient interactions, managed care, regulation and payment systems for providers, comparative health systems, the pharmaceutical industry, health policy and social insurance.

## ECOS3020

### Special Topic in Economics Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 1 x 2 hr lecture per week and 1 tutorial hour per fortnight **Prerequisites:** ECOS2001 (or ECON2001) and ECOS2002 (or ECON2002) OR ECOS2901 (or ECON2901) and ECOS2902 (or ECON2902) **Assessment:** Assignments, 1 mid semester exam, final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec.

Study of a special topic in Economics. Topics will vary from semester to semester according to staff availability and the presence of visitors. If taught in both semesters, the topic in Semester 2 will be different to that of Semester 1.

## ECOS3551

### Economics Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Prerequisites:** ECON1001 and ECON1002 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec.

Students wishing to undertake a Study Abroad program must enrol in this unit to receive credit for a unit equivalent to an ECON2000-level subject

## ECOS3552

### Economics Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Prerequisites:** ECON1001 and ECON1002 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec.

Students wishing to undertake a Study Abroad program must enrol in this unit to receive credit for a unit equivalent to an ECON2000-level subject

## ECOS3553

### Economics Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Prerequisites:** ECON1001 and ECON1002 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec.

Students wishing to undertake a Study Abroad program must enrol in this unit to receive credit for a unit equivalent to an ECON2000-level subject

## ECOS3554

### Economics Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Prerequisites:** ECON1001 and ECON1002 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec.

Students wishing to undertake a Study Abroad program must enrol in this unit to receive credit for a unit equivalent to an ECON2000-level subject

## ECOS3901

### Advanced Microeconomics

## Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 x 2 hr lecture per week and 1 tutorial hour per fortnight **Prerequisites:** (ECOS2901 or ECON2901) and (ECOS2902 or ECON2902) and (ECOS2903 or ECON2903) with a Credit average or better over the three units combined. **Corequisites:** ECMT2110 or ECMT2010 **Prohibitions:** ECON3901, ECOS3012 **Assessment:** Mid semester exam; final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: NOTE: Students intending to proceed to fourth year economics honours must also complete at least one unit of study from (ECOS3001 or ECON3001) to (ECOS3015 or ECON3015) inclusive*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec.

ECOS3901 Advanced Microeconomics is the second course in the microeconomics sequence in the Economics Honours program. The goal of the course is to provide a working knowledge and understanding of the most powerful methods of analysis and discourse in modern microeconomic theory. We build on the foundations of ECOS2901 and ECOS2903 to continue progress toward the frontier of microeconomics.

## ECOS3902

### Advanced Macroeconomics Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 x 2 hr lecture per week and 1 tutorial hour per fortnight **Prerequisites:** (ECOS2901 or ECON2901), (ECOS2902 or ECON2902), (ECOS2903 or ECON2903) and (ECOS3901 or ECON3901) **Corequisites:** ECOS3903 **Prohibitions:** ECON3902 **Assessment:** Mid semester exam; final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: NOTE: Students intending to proceed to fourth year economics honours must also complete at least one unit of study from (ECOS3001 or ECON3001) to (ECOS3015 or ECON3015) inclusive*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, B Res Ec.

ECOS3902 Advanced Macroeconomics is a third year honours course in macroeconomics. Its main objective is to develop a framework for thinking about macroeconomic questions. This course is designed for the students enrolled in the Economics Honours stream. ECOS2901, ECOS2902, ECOS2903 and ECOS3901 are prerequisites and the corequisite is ECOS3903, unless you have received an exemption from it.

## ECOS3903

### Applied Economics Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 x 2 hr lecture per week and 1 tutorial hour per fortnight **Prerequisites:** ECOS2901 (or ECON2901), ECOS2902 (or ECON2902) and ECOS2903 (or ECON2903) **Corequisites:** ECMT2110 and ECOS3901 or ECOS3902 **Assessment:** Assignments, mid semester exam, final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is compulsory for students intending to proceed to fourth year honours.*

**Associated degrees:** B A, B Com, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit is designed to provide students with estimation techniques frequently used in applied microeconomics. It will mainly cover cross section and panel data methods. Various empirical topics in labour economics, international trade, etc., will be discussed.

## EDBT5000

### International Curriculum Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Nigel Bagnall **Session:** Semester 1 **Classes:** 36 hours: 4 hours/week for 9 weeks **Prerequisites:** 144 credit points including 78 credit points of Education **Corequisites:** EDSE5008 and (EDGU2000 and EDGU3000) or EDSE5010 **Assessment:** Assessment will be based on two assignments: (i) a 3000 word curriculum-focused activity, (ii) peer critique/reflection and workshop paper, including workshop participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, B Teach, PG Coursework Exchange.

This unit of study is designed to meet the needs of prospective teachers of internationally recognised senior secondary school curriculum particularly the International Baccalaureate, and those who aspire to teach in educational jurisdictions outside Australia.

The unit is designed to enable students to develop a knowledge and understanding of: the nature and role of international curricula in the education of secondary school children; international benchmarks in secondary school education; the role of the International Baccalaureate in secondary education in Australia and internationally, teaching and learning for the International Baccalaureate (IB) and other international curricula including Advanced Placement (AP) and Scholastic Aptitude Test (SAT), assessment and evaluation for the International Baccalaureate.

### EDBT5500

#### Introduction to Teaching and Learning Education and Social Work

**Credit points:** 7 **Teacher/Coordinator:** Dr Louise Sutherland **Session:** S1 Intensive, Semester 1 **Assessment:** 1 x 2000 wd essay and 2 x 2500 wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study provides an introduction to issues concerning teaching, learning, the curriculum and the social and institutional context of education. It is organised into two themes: examining teaching as a profession and Learning and Schools. This unit provides the theoretical and contextual framework for the other units of study in this program by providing students with opportunities for critical reflection on the nature and purpose of schools, schooling and the educational process in general.

### EDBT5501

#### Information Technology in Education Education and Social Work

**Credit points:** 3 **Teacher/Coordinator:** Vilma Fyfe **Session:** S1 Intensive, Semester 1 **Classes:** large group lectures 3 x 1hr. Tutorials 8 x 1.5 hrs. **Assessment:** 1 assignment, 1 practical examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This course focusses on the instructional designer's task and is motivated by the need for future teachers to be able to analyse student needs for IT support in specific curriculum areas, plan for ICT use in the classroom, choose from available alternatives, configure ICT in supporting specific learning activities, manage the IT enriched classroom and critically evaluate their practice.

### EDBT5502

#### Teachers and Learners in Schools Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Nicole Brunner **Session:** S2 Intensive, Semester 2 **Classes:** seminar 2 hrs per wk x 8 wks, large grp lec 2 hrs per wk x 8 wks **Prerequisites:** EDBT5500 **Corequisites:** EDBT5503 **Assessment:** 1 x 1500 wd essay and 1 x 3000 wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit is divided into two themes: Managing the Learning Community and Enhancing the Learning Community, which are separated by the first professional experience block session. The first theme focuses on preparation for your work as a teacher in a classroom. The second section provides opportunities to begin to refine your practice by critical reflection on your teaching experiences, through the writing on your teaching experiences, and through the writing and subsequent discussion of case stories or narratives.

### EDBT5503

#### Professional Experiences 1

### Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Di Bloomfield/Dr Tony Loughland **Session:** Semester 1, Semester 2 **Classes:** block session (25 days) **Prerequisites:** EDBT5500 AND one of: EDBT5602, EDBT5604, EDBT5605, EDBT5606, EDBT5607, EDBT5608, EDBT5609, EDBT5610, EDBT5611, EDBT5613, EDBT5615, EDBT5617, EDBT5619, EDBT5620, EDBT5622, EDBT5623; OR EDBT5500 and EDBT5532 and EDBT5531 **Assessment:** Satisfies Requirements/Fail **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Teach.

Students undertake their first Professional Experience of 25 days in a secondary or primary school (depending on the program they are enrolled in). During the practicum students are assigned to one or more Cooperating Teachers in a single discipline area (or in Primary) and will be responsible for teaching one or more classes for a total of between 10 and 14 lesson periods per week. The Cooperating Teachers will closely support their work in the school and in discussion with the Tertiary Mentor will be responsible for writing the report on the Professional Experience that will form the basis of the assessment in the enrolled unit of study.

### EDBT5504

#### Educational Workplace Practices Education and Social Work

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B Teach.

This unit is not part of the normal program structure. It is ONLY offered as an alternate unit of study for students who have failed Professional Experiences 1, and/or intend to take out the Graduate Diploma in Professional Studies (Education).

### EDBT5530

#### Creative Arts K-6 Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Robyn Gibson **Session:** S2 Intensive, Semester 2 **Classes:** 1hr lec plus 1hr wkshp x 4 wks x 3 components **Assessment:** drama 1 x 1500wd essay (40%), music 2 x 15min lesson plan (30%) and visual arts portfolio (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

The Education Act 1990 (NSW) sets out minimum curriculum requirements for primary schools. In particular, the Act states that "courses of study in both art and music are to be included in the key learning area of the Creative and Practical Arts." With the introduction of the Creative Arts K-6 Syllabus in 2000, this requirement has been broadened to include creative arts experiences in drama and dance which became mandatory in 2005. The unit of study, Creative Arts 1, provides students with an understanding of the importance of drama, music, visual arts and dance both as powerful teaching and learning strategies across the primary curriculum and as creative arts in their own right.

### EDBT5531

#### English 1 K-6 Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Kathy Rushton **Session:** S1 Intensive, Semester 1 **Classes:** 1 hr lec plus 13 x 2 hr workshop **Assessment:** 3 assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** B Teach, PG Coursework Exchange.

In this unit of study you will investigate the development of language in young children. The nature of the interactions between children and those around them will be considered as will the variation in those interactions. The language bases in talking and listening will be investigated, leading to particular focus on a balanced approach to learning to read and write in the early years of schooling.

## EDBT5532

### Mathematics 1 K-6

#### Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Janette Bobis **Session:** S1 Intensive, Semester 1 **Classes:** 1hr lec and 8 x 1hr tut and 12 x 2hr planning and teaching tutorials **Assessment:** 2 x assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

The focus for this unit is the Number, Patterns and Algebra, Data and Working Mathematically strands of the NSW K-6 Mathematics Syllabus with particular emphasis on the first three years of school. It will explore how children's mathematical thinking strategies develop via a research-based framework of number and will introduce the important connection between assessment and planning for instruction.

## EDBT5533

### Teaching in Multilingual Classrooms

#### Education and Social Work

**Credit points:** 2 **Teacher/Coordinator:** Theodora Lafkas **Session:** S1 Intensive, Semester 1 **Classes:** 6 x 2hrs per wk **Assessment:** 1 assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

The goal of this course is to provide you with a foundation and a framework for the successful teaching of English as an additional language in the context of multilingual primary classrooms. The course will encourage you to make decisions about appropriate classroom strategies and methods across the curriculum; give insight into current debates within the field; and suggest a direction for future thinking.

## EDBT5534

### Human Society and its Environs K-6

#### Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Tony Loughland **Session:** S1 Intensive, Semester 1 **Classes:** 13 x 1 hr lectures and 13 x 1 hr tutorials **Assessment:** 3 assessment tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit will focus on the fundamental principles of the Human Society and its Environment K-6 KLA as well as theories of how children learn in a social setting. This unit will enable the students to design and critically reflect on learning experiences which are planned to achieve the aim of the NSW HSIE K-6 syllabus.

## EDBT5535

### Science and Technology K-6

#### Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Louise Sutherland **Session:** S2 Intensive, Semester 2 **Classes:** 7 x 1hr lec and 8 x 2hr wkshp **Assessment:** 1 x 1500 wd essay and 1 x 2500 wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit is designed to assist you to develop skills in teaching the learning processes of Investigating, Designing and Making and Using Technology that feature in the NSW K-6 Science and Technology curriculum. Prior to your first professional experience, the focus will be on the distinctive features of the Science and Technology learning area and on planning to promote learning of science concepts and skills by investigation.

## EDBT5536

### Personal Development, Health & PE K-6

#### Education and Social Work

**Credit points:** 4 **Session:** S2 Intensive, Semester 1, Semester 2 **Classes:** 4 x 1hr lec and 12 x 2 hr wkshp **Assessment:** 2 assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Teach, PG Coursework Exchange.

In this unit you will be introduced to the KLA PDHPE. You will be encouraged to examine your own health and fitness status and explore the importance of leading a healthy lifestyle. You will be examining selected content strands from the PDHPE syllabus K-6 from the perspective of various skills, knowledge and teaching strategies necessary to teach these content strands within the context of the health promoting school.

## EDBT5537

### Special Interest Unit 1

#### Education and Social Work

**Credit points:** 2 **Teacher/Coordinator:** Dr Tony Loughland **Session:** S1 Intensive, S2 Intensive, Semester 1, Semester 2 **Classes:** 3 hrs x 4 wks **Assessment:** 1 x assesment task **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Teach, PG Coursework Exchange.

There will be three special interest options offered each semester this is scheduled. In 2008 these were Koori Kids in the Classroom, Science and Technology with Toys, and Music Education.

## EDBT5538

### Honours 1

#### Education and Social Work

**Credit points:** 2 **Teacher/Coordinator:** Prof Gabrielle Meagher **Session:** Semester 2 **Assessment:** 1 x 2000 wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach.

This unit introduces Honours students to the concepts and skills they need to research and write their Special Study project in Year 2. Seminars provide an overview of the scope of educational research, including the variety of research topics and approaches to research methodology. Seminars blend exploration of conceptual and methodological material with discussion of students' own research ideas and plans. Assessment consists of an essay which aims to help students refine and situate their research question in the context of existing research in their chosen area. By the end of the unit, all students will have been matched with a Supervisor for their Special Study.

## EDBT5550

### Language Arts in Early Childhood

#### Education and Social Work

**Credit points:** 4 **Session:** Semester 1 **Classes:** 2 hrs per wk for 12 wks plus 2 observation days **Assessment:** Picture book presentation, observation task, language activities portfolio, essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach.

This unit of study assists students to develop knowledge and skills in the language arts at the early childhood level. It assists students to gain and understanding of different theories about how young children develop language. It helps students to develop skills and knowledge about how to help young children begin to make meaning from the moment they are born through the preschool years in terms of how they learn to talk, listen and interact with those around them. There is a strong emphasis on play as a vehicle for language learning and family involvement in an inclusive and supportive learning environment for young children.

## EDBT5551

### Mathematics in Early Childhood

#### Education and Social Work

**Credit points:** 4 **Session:** Semester 1 **Classes:** 2 hrs per wk for 12 weeks plus 2 observation visits **Assessment:** Critical reflection on a reading task, assessment of child math observation task, mathematics activities portfolio, essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach.

This unit of study assists students to develop knowledge, skills and understanding of the development of children's constructions of mathematical concepts and processes at the early childhood level. It provides students with the ability to help young children gain a beginning understanding and knowledge of mathematics and a beginning awareness of the ever-changing technological environment in which we live. Students will explore the issues of assessing children's learning needs and identifying children at risk of underachieving in mathematical understanding and skill. Students will be required to plan developmentally appropriate learning experiences that effectively employ a range of pedagogies and resources (including digital technologies) to enhance children's mathematical thinking and communication.

#### **EDBT5552**

##### **Sociocultural Learning -Early Childhood Education and Social Work**

**Credit points:** 4 **Session:** Semester 1 **Classes:** 2 hrs per wks for 12 wks plus 2 observation visits **Assessment:** Critical reflection on a reading task, observation task, social and cultural understandings activities portfolio, essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach.

This unit of study assists students to develop knowledge and skills in the teaching of social and cultural understandings at the early childhood level. It provides students with the ability to help young children gain a beginning understanding of the social and cultural world around them in a way that makes sense to them, a beginning understanding of their membership, roles, and values as a member of the family, community, nation and world, and a beginning understanding of differences and similarities among people in the diverse, complex, always changing, and multi-cultural Australia.

#### **EDBT5553**

##### **Managing an Early Childhood Community Education and Social Work**

**Credit points:** 2 **Session:** Semester 1 **Classes:** 1 hr per wk for 12 wks plus 1 observation visit **Assessment:** Behaviour management plan, observation task **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach.

This unit provides students with the ability to help guide the social behaviour of young children. Such behaviour is most often developed through the interactions these children have with their immediate environment. They learn social behaviour through interacting with their parents, siblings, peers, and early childhood teachers and caregivers. Understanding the nature of developing social behaviour and how it is influenced by the environment in which young children engage, therefore, is critical for the early childhood educator. This unit will examine the development of social behaviour, strategies for promoting positive social behaviour this challenging, the interaction between communication on behaviour, and collaboration with families and early childhood education and care providers.

#### **EDBT5554**

##### **Child Protection in Early Childhood Education and Social Work**

**Credit points:** 2 **Session:** Semester 1 **Classes:** 1 hr per wk for 12 wks plus 1 observation visit **Assessment:** Learning journal, essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach.

This unit of study assists students to better prepare for teaching in diverse and inclusive early childhood environments especially those involving young children "at risk". This is consistent with developing in students the strategies and techniques that consider the integration of young children's needs and the creating of learning environments that foster healthy self-concepts and wellness. The unit also gives students a greater awareness of and experience with the need to recognise and respond to young children and families in need and

working with the community of child development professionals in the interests of young children and families.

#### **EDBT5555**

##### **Creative Arts in Early Childhood Education and Social Work**

**Credit points:** 4 **Session:** Semester 2 **Classes:** 2 hrs per wk for 12 wks plus 2 observation visits **Assessment:** Portfolio of Arts activities, short rationale for the imperative of the Arts in the lives of young children, observation task, essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach.

This unit of study assists students to explore their own creativity and imagination alongside developing knowledge and skills in the Creative Arts at the early childhood level. There is a strong emphasis on play and exploring the imagination through music, visual arts, drama and dance. Observing and assessing young children's spontaneous play through immersion in the Creative Arts is an important feature of this unit. The unit also emphasises the centrality of providing rich Creative Arts experiences in early childhood settings.

#### **EDBT5556**

##### **Health and Wellness in Early Childhood Education and Social Work**

**Credit points:** 4 **Session:** Semester 2 **Classes:** 2 hrs per wk x 12 wks plus 2 observation visits **Assessment:** Critical reflection on a reading task, observation task, safety, nutrition and wellness activities portfolio, essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach.

This unit of study assists students to develop knowledge and skills in the teaching of health, safety, nutrition, and wellness at the early childhood level. It provides students with the ability to help young children gain a beginning understanding of the world around them in a way that makes sense to them, a beginning understanding of health, safety, nutrition, and wellness behaviours and habits that will help sustain them for a lifetime. Play and family involvement are emphasised in assisting this process. This unit also provides students with the ability to plan and operate healthy and safe early childhood learning and care environments.

#### **EDBT5557**

##### **Early Childhood Prof Experience 1 Education and Social Work**

**Credit points:** 4 **Session:** Semester 2 **Classes:** 20 days **Prerequisites:** EDBT5554 Child Protection in Early Childhood EDBT5626 Teaching & Learning in Early Childhood 1 **Assessment:** Reflective journal including the planning, implementing, and evaluating of learning experiences for young children **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B Teach.

This unit is the first of three that provide opportunities for students to gain teaching experience in early childhood education and care settings. It will enable students to apply the theories and strategies covered in other units of study including Teaching and Learning 1 and 2. Initially this experience will consist of observation of practices and routines of the setting, some lesson undertaking with individuals and small groups, and progress to lesson undertaking with larger or whole groups. As part of the process, students will plan and implement strategies and activities relevant to the age, stage, and needs of young children.

#### **EDBT5558**

##### **Science in Early Childhood Education and Social Work**

**Credit points:** 4 **Session:** Semester 2 **Classes:** 2 hrs per wk for 12 wks **Assessment:** Critical reflection on a reading task, observation task, science activities portfolio, essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach.

This unit of study assists students to develop knowledge and skills in the teaching of science at the early childhood level. It provides students with the ability to help young children gain a beginning understanding

of the world around them, a beginning understanding of the physical and biological aspects of the world and the universe, and a beginning awareness of the ever-changing technological environment in which we live. An emphasis is upon play as a vehicle for learning and family involvement in an inclusive and supportive learning environment for young children.

### EDBT5559

#### Diversity & Inclusion in Early Childhood Education and Social Work

**Credit points:** 2 **Session:** Semester 2 **Classes:** 1 hr per wk x 12 wks plus 1 observation visit **Assessment:** Personal statement on diversity and inclusion, situational analysis of an early childhood setting **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach.

This unit explores diversity and inclusion in early childhood settings. Class, ethnicity, culture, disability, gender, religion, and other social categories have an impact upon children's development. For the creation of inclusive classrooms, early childhood educators must have an understanding of the significance of the personal and social attributes that children bring to the setting. The establishment of positive engagement with children and families is essential in creating an inclusive environment and curriculum. This unit will explore current theories and practices surrounding diversity, social education and inclusion in the early childhood context. Throughout this unit of study students will be encouraged to examine their own beliefs and values in the consideration of the issues above, as well as others.

### EDBT5600

#### Professional Studies 2 (Options) Education and Social Work

**Credit points:** 2 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 1, Semester 2 **Classes:** 6 x 1hr lec; professional development option **Assessment:** 1 assessment (Sports and Education) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study consists of a teaching-related community service or professional activity which contributes to the professional development of a teacher together with a coursework addressing the nature and role of sport in the secondary school curriculum.

### EDBT5601

#### Professional Studies 1 (Options) Education and Social Work

**Credit points:** 2 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 1, Semester 2 **Classes:** Lectures (6 x 1 hr) Options Unit: seminars (6 x 1.5 hrs) or 1 day short courses. **Assessment:** 2 assignments: Literacy and Numeracy Across the Curriculum and Options assigned task. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B Teach, PG Coursework Exchange.

The unit consists of two components: Literacy and Numeracy Across the Curriculum and an elective ('option') component. These components cover a wide range of educational, philosophical, cultural and sociological contexts and issues, including the teaching of across-curriculum issues within all subject areas that contribute to the professional development of secondary teachers.

### EDBT5602

#### Art Curriculum 1 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 1b **Classes:** lec 2 hrs per week x 8 weeks, tut/seminar/wkshp 1hr per week x 8 wks **Assessment:** visual art reflective journal; collaborative group work; lesson plan development **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit will introduce the nature and scope of Visual Art Education within NSW and in particular the NSW Visual Art 7-10 syllabus. This is followed by a survey of existent pedagogical models of art teaching with a focus on experimental learning through practical activity. The role of reflection within authentic learning contexts will receive special emphasis in the context of the mandatory visual art syllabus. Authentic, practical activities will be utilized to contextualize and ground art education processes. Students will be introduced to organising, planning and managing learning experiences including writing lesson plans for Stages 4 and 5.

### EDBT5603

#### Art Curriculum 1 (Extension) Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 1b **Classes:** lec 2hrs per wk x 8 wks, tut/sem/wkshp 1hr per wk x 8 wks **Corequisites:** EDBT5602 Art Curriculum 1 **Assessment:** visual art reflective journal; collaborative group work; unit of work Stage 5. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit aims to further explore issues and perspectives and develop skills in teaching the broad areas of Visual Arts in Stages 4 and 5. The course focuses on the teaching of art education through developing knowledge and understanding using case method teaching. This unit of study acknowledges these links and those demands and seeks to build in-depth understanding and capability in students so as to explore art based approaches in a range of materials reflecting the basic aims and objectives of the Visual Arts 7-10 syllabus.

### EDBT5604

#### Drama Curriculum 1 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr John Hughes/Dr Michael Anderson **Session:** Semester 1b **Classes:** block mode 2 days x 7 wks **Assessment:** 2 x 2500 wd essays **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** B Teach, PG Coursework Exchange.

This course aims to prepare students for the teaching of drama in years 7-12 through the development of theory and practice. This course will mainly focus on drama in years 7-10 (stages 4 & 5). Students will explore a range of teaching,

### EDBT5605

#### Commerce/Economics Curriculum 1 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Kate Keeley **Session:** Semester 1b **Classes:** 4 hrs per wk for 9 wks **Assessment:** 3 assessment tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study is the first of three which aims to prepare graduates to be teachers of HSIE and Commerce/Economics. It will develop competencies and skills in lesson planning, programming and pedagogy in HSIE teaching. An understanding of the NSW Board of Studies Years 7-10 Commerce Syllabus will be developed and students will develop lesson plans, programs, teaching resources and a range of teaching materials. There will be an emphasis on ICT throughout.

### EDBT5606

#### Computer Studies Curriculum 1 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 1b **Classes:** 3 hr x 8 wks lec/tut/seminars **Assessment:** 3 x 2000 wd essays **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study focuses on the teaching of the NSW Computing Studies syllabus from 7 - 12. The main focus is on design issues and problem solving and on introducing hardware versus software, input



and output, data, using interfaces, instructions, errors, testing and otherwise viewing a computer system.

### EDBT5607

#### English Curriculum 1

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Jowen Hillyer **Session:** Semester 1b **Classes:** 1 x 3hr seminar and 1 lec per wk x 8 wks **Assessment:** 2 x assessments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study is the first in a suite of curriculum methodology units designed to equip you to teach secondary English 7-12. This unit will introduce you to the principles of teaching and learning in subject English, develop your understanding of the theories underpinning the secondary English syllabus documents and raise your awareness of the debates and issues relevant to teaching Secondary English.

### EDBT5608

#### Geography Curriculum 1

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Kate Keeley **Session:** Semester 1b **Classes:** 4 hrs per wk for 8 wks **Assessment:** 3 assessment tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study is the first of three which aims to prepare graduates to be teachers of HSIE and Geography. It will develop competencies and skills in lesson planning, programming and pedagogy in HSIE teaching. An understanding of the NSW Board of Studies Years 7-10 Geography Syllabus will be developed and students will develop lesson plans, programs, teaching resources and a range of teaching materials. There will be an emphasis on ICT throughout.

### EDBT5609

#### History Curriculum 1

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Tim Allender **Session:** Semester 1b **Classes:** 8 x 1hr lec and 8 x 1hr sem and 8 x 2hr sem **Assessment:** 1 x 2500 wd essay, 2 x 500 wd teaching strategies, 1 x 2500 wd unit of work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study aims to prepare graduates in the theory and practice of teaching history in the secondary school. Students will investigate the nature and purpose of history teaching and learning as well as human society and its environment education across years 7-10. The unit draws on current research, thinking and practice in the field of history education and relates to the realities of history teachers' work and instruction.

### EDBT5610

#### Classical Hebrew & Judaism Curriculum 1

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Brian Conyer **Session:** Semester 1b **Classes:** 4 hrs per wk for 9 wks (36 hours) **Prerequisites:** 54 credit points including 24 credit points of Education and EDSE2001 plus 12 Credit points of senior Classical Hebrew or 12 credit points of senior Jewish Civilisation, Thought and Culture **Assessment:** Assessment will consist of lesson plans, Unit of study and Reflective Journal and Resource Folder **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Teach.

This unit of study is the first in a series for students who intend to teach Jewish Studies in Stages 4-5, and corresponds to the Tanakh option in the Board of Studies Years 7-10 Hebrew Syllabus. The unit develops foundational skills for classroom teaching of Judaism. The unit also introduces students to the socio-historic development of Jewish education in Australia, providing an understanding of local context.

### EDBT5611

#### Languages Curriculum 1

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 1b **Classes:** 1hr lec per wk x 8 wks and 2hr sem per wk x 8 wks **Assessment:** 1 x 1500 wd essay and 1 x 750-1000 wd portfolio and 3 x 500-1000 wd lesson plans. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit is designed to build pre-service language teachers' awareness, skills and understandings in languages education, to guide and prepare them for School Experience 1. Students will gain broad understandings about the nature and scope of teaching languages education in the New South Wales context, about traditional and more contemporary and innovative classroom practices and particular aspects of policy and Board of Studies documentation.

### EDBT5612

#### Languages Curriculum 1 (Additional)

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Lesley Harborn **Session:** Semester 1b **Classes:** lec 1hr per wk x 9 wks **Corequisites:** EDBT5611 Languages Curriculum 1 **Assessment:** 1 x 1200 wd essay and 1 x 750-1000 wd portfolio and set of 3 lesson plans x 500-1000 wds **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit is designed for pre service language teachers with an additional language other than English. The unit will continue to build pre service language teachers awareness, skills and understandings in languages education, to guide and prepare them for School Experience 1.

### EDBT5613

#### Mathematics Curriculum 1

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 1b **Classes:** tut/sem/wkshp 2 x 1.5 hrs per wk x 8 wks **Assessment:** 1 x 3000 wd group project and 1 x 3000 wd individual project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

The aim of this unit of study is to introduce students to the teaching of mathematics in years 7-10 for double and single mathematics method. Particular aspects of the teaching and learning of mathematics will be addressed including a detailed examination of the place of mathematics in the Australian school curriculum.

### EDBT5614

#### Mathematics Curriculum 1 (Extension)

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 1b **Classes:** tut/sem/wkshp 1 x 3hrs per wk x 8 wks **Corequisites:** EDBT5613 Mathematics Curriculum 1 **Assessment:** 1 x 2500 wd assignment and 1 x 3500 wd assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This is the second curriculum unit offered in semester 1 for students doing double mathematics method. This unit of study will enable students to plan for a variety of learning environments, including teacher exposition, problem solving, investigations, practical work, consolidation and practice and discussion. They will explore the difference between planning for classes of students with a smaller range of knowledge and experiences, compared with classes with a wider range and geometry as well as the use of technology.

### EDBT5615

#### Music Curriculum 1

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Peter Dunbar-Hall **Session:** Semester 1b **Classes:** 8 x 3hr wkshps **Assessment:** 3 x assessments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

The purpose of this unit of study is to instruct students in teaching methodologies suitable for use in secondary music education in the Yr 7-10 range and to prepare students for their first practicum in schools.

#### EDBT5616

##### Music Curriculum 1 (Extension)

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Anthony Hood, A/Prof Peter Dunbar-Hall **Session:** Semester 1b **Classes:** 8 x 3 hrs wkshp **Corequisites:** EDBT5615 Music Curriculum 1 **Assessment:** 2 x assessments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

The Extension unit in semester 1 will be in Technology for Music Education. Students will study music technology relevant to music teaching and learning.

#### EDBT5617

##### Science Curriculum 1

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 1b **Classes:** series of lec/sem/wkshps **Assessment:** 2 x 1000 wd and 1 x 4000 wd essays/assignments, or equivalent in-class presentation(s). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study is the first in a series of three which aims to prepare graduates for the teaching of Science in high schools as one of their two teaching specialisations. Students will investigate the nature and purpose of science education in the secondary school, contemporary syllabuses in science for 7-12, children's understanding of science, teaching and learning strategies, and the planning of learning activities and lessons.

#### EDBT5618

##### Science Curriculum 1 (Extension)

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 1b **Classes:** 1 x 3hr pr wk x 8 wks or 1 x 2hr per wk x 8 wks and field work excursions and other tasks **Corequisites:** EDBT5617 Science Curriculum 1 **Assessment:** 2 x 3000 wd assignment or equivalent **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study aims to prepare graduates for the teaching of a science in high schools as their teaching specialisation. Students will investigate the nature and purpose of science education in the stage 6 secondary school, contemporary syllabuses in science for Years 11-12, science teaching and learning strategies and planning of units of work.

#### EDBT5619

##### Social Studies Curriculum 1

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Kate Keeley **Session:** Semester 1b **Classes:** 4 hrs per wk for 8 wks **Assessment:** See the assessment details for EDBT5605, EDBT5608, EDSE3040 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study is the first of three which aims to prepare graduates to be teachers of one Year 11-12 HSIE syllabus area (Society & Culture or Legal Studies) and one of Year 7-10 Geography, Commerce or History. It will develop competencies and skills in lesson planning, programming and pedagogy in HSIE teaching. The NSW Board of Studies years 7-10 Geography, Commerce or History syllabuses will be introduced and students will develop lesson plans, programs, teaching resources and a range of teaching materials. There will be an emphasis on ICT throughout.

#### EDBT5620

##### TAS Curriculum 1

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Nigel B Goodwin **Session:** Semester 1b **Classes:** 3hrs x 8 weeks **Assessment:** Program of work for Technology Mandatory years 7-8 (40%); Lesson Plan (30%); Design-make-appraise task (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach.

Schools have been asked to prepare students as active participants in a designed world. This unit of study acknowledges these links and those demands and seeks to build in-depth understanding and capability in students so as to enable them to plan, implement and evaluate design-based approaches to solving authentic problems in a range of contexts reflecting the basic focus and approach of the Technology Mandatory Years 7-8 syllabus. Students will also build their capacity to engage their students using those same processes, and to encourage creative and innovative behaviour.

#### EDBT5621

##### TAS Curriculum 1 (Extension)

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Nigel B Goodwin **Session:** Semester 1b **Classes:** 3hrs x 8 weeks **Corequisites:** EDBT5620 TAS Curriculum 1 **Assessment:** Matrix IDEO methods against Technology Mandatory years 7-8 design specialisations (30%); Prepare PDFs of case studies in design (20%); Develop instructional guide on innovative behaviour (20%); Design-make-appraise task (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach.

Schools have been asked to prepare students as active participants in a designed world. This unit of study acknowledges these links and those demands and seeks to build in-depth understanding and capability in students so as to enable them to plan, implement and evaluate design-based approaches to solving authentic problems in a range of contexts reflecting the basic focus and approach of the Technology Mandatory years 7-8 syllabus. Students will also build capacity to engage their students using those same processes and to encourage creative and innovative behaviour. This unit places special emphasis on the tools and techniques that can be used to support, augment and extend creative behaviour in students in the context of Stage 4 and 5 syllabi.

#### EDBT5622

##### TESOL Curriculum 1

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Theodora Lafkas **Session:** Semester 1b **Classes:** 6 x 4hrs **Assessment:** 2 x major assignments and 1 minor presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit relates to the overall goal of the TESOL program, which is to provide students with both a foundation and a framework for the successful teaching of English to speakers of other languages. The unit will encourage them to make decisions about appropriate classroom strategies across the curriculum: give insight into the current debates within the field and suggest a direction for future thinking. The unit outlines the background to the teaching of English to speakers of other languages, with a focus on oral skills and design of interactive tasks.

#### EDBT5623

##### School Psychology 1

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 1 **Classes:** 44 hrs: 12 x 3 hr seminars plus 8 hrs assessment experience **Assessment:** Two protocols and reports (40%); exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit introduces the student to the principles of assessing children, with a specific focus on key cognitive assessment instruments. The relationship between models of intelligence and cognitive assessment techniques is discussed, with particular emphasis placed on the critical

evaluation of commonly used individually administered intelligence tests. The multiplicity of factors contributing to successful assessment is emphasised. The principles of standardised testing and the application of competent, ethical, professional use of intelligence tests are taught using current tools such as the Woodcock-Johnson III Test of Cognitive Abilities, Wechsler Scales and the Stanford Binet (5th Ed). The appropriateness of the assessment of specific groups such as young, developmentally young and culturally different children is critically evaluated. Supervised practice of key tests of intelligence is organised in small group workshop sessions. Competency is expected in the administration and scoring of key cognitive instruments and in the writing of assessable reports.

### EDBT5625

#### Professional Studies 1 (Psychology) Education and Social Work

**Credit points:** 2 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 1 **Classes:** 12 hrs: 1.5 hrs for 8 wks **Assessment:** 1. Test Review Presentation and Summary Paper (1000 wds) 50%; 2. Casework participation involving assessing a young child with language and/or literacy delays, with report. Prepare a 1000 wd report for the child's parents and teaching staff, with parental permission, 50%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit provides students with an overview of the key issues for school counsellors working with younger children in preschool and primary school settings, and in work with adolescents experiencing academic difficulties, with a specific focus on language and literacy.

### EDBT5626

#### Teaching & Learning in Early Childhood 1 Education and Social Work

**Credit points:** 8 **Session:** Semester 1 **Classes:** 4 hrs per wk x 12 wks plus 4 observation visits **Assessment:** 2 portfolio submissions, case analysis, and child protection workshop **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach.

This unit of study provides an introduction to issues concerning learning, teaching, the curriculum and the social and institutional context of education. It examines child development, learning in early childhood settings and teaching as a profession. A set of case studies provides a range of contexts to assist students to link the themes and develop a greater understanding of the complex nature of teachers' work. An introduction to major curriculum areas in early childhood education and care is also provided.

### EDBT5652

#### Art Curriculum 2 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 2 **Classes:** lec 2hrs per wk x 9 wks, tut/sem/wkshp 1hr per wk x 9 wks **Prerequisites:** EDBT5602 Art Curriculum 1 **Assessment:** extended unit of work, including case study 3000 wds; assessment & evaluation guide 2000 wds **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit aims to explore further issues and perspectives raised in EDBT5602. The unit focuses on the teaching of art education through developing knowledge and understanding using case method teaching. This unit is designed to introduce the Stage 6 syllabus and to prepare the student for their first Practicum Experience. A particular emphasis is on developing a program of learning in accordance with the NSW BOS directive that is challenging and informative and empowers pupils to engage in visual forms of communication.

### EDBT5653

#### Art Curriculum 2 (Extension) Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 2 **Classes:** lec 2hrs per wk x 9 wks, tut/sem/wkshp 1 hr per wk x 9 wks **Prerequisites:** EDBT5602 Art Curriculum 1 and EDBT5603 Art Curriculum 1 (Extension) **Corequisites:** EDBT5652 Art Curriculum 2 **Assessment:** peer

assessment exercise; 2 x 2500 wd essays **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit builds further on the in-depth understanding and capability of students and explores art-based approaches in a wider range of media reflecting the aims and outcomes of the Visual Art syllabus for Stage 6. This unit is designed to add a strong focus on critical/historical art analysis and design pedagogy, reflection in and upon learning, and on implementing authentic learning tasks. The main focus is on the use of standards and appropriate assessment strategies for learning to enhance and improve the learning of pupils.

### EDBT5654

#### Drama Curriculum 2 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Anderson **Session:** Semester 2 **Classes:** block mode twice a wk **Prerequisites:** EDBT5604 Drama Curriculum 1 **Assessment:** 1 x 2500 wd essay and 1 x 3500 wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit builds on the earlier unit and aims to prepare students for the teaching of drama in years 11-12 (Stage 6) focusing on HSC syllabus and support documents, and the relevant Course Prescriptions. Students will plan and implement a program of work suitable for drama students.

### EDBT5655

#### Commerce/Economics Curriculum 2 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Kate Keeley **Session:** Semester 2 **Classes:** 9 x 1hr lec and 4 x 1hr and 6 x 2hr seminars **Prerequisites:** EDBT5605 Commerce/Economics Curriculum 1 **Assessment:** There will be 3 assessment tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study aims to continue the development of graduates to be teachers of HSIE and Economics/Business Studies. It will develop skills in applying cross curriculum content and perspectives, especially civics and citizenship education, literacy and numeracy, and multiculturalism, to the development of learning strategies and resources. This unit of study provides opportunities for students to achieve outcomes in understanding the curriculum design of commercial education, designing and delivering a range of teaching strategies, evaluating and developing teaching resources and assessing students' achievement in Commerce, Economics and Business Studies. ICT will be emphasised throughout.

### EDBT5656

#### Computer Studies Curriculum 2 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 2 **Classes:** 3 hr per wk x 8 wks lec/tut/wkshps **Prerequisites:** EDBT5606 Computer Studies Curriculum 1 **Assessment:** 3 x 2000 wd essays **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study focuses on the teaching of both Information Technology and Processes and Software Design and Development Higher School Certificate courses.

### EDBT5657

#### English Curriculum 2 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Jowen Hillyer **Session:** Semester 2 **Classes:** 1 x 3 hr seminar and 1 lec per wk x 9 wks **Prerequisites:** EDBT5607 English Curriculum 1 **Assessment:** 2 x assessments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit will examine in depth the current syllabus documents and explore the ways in which contemporary theoretical perspectives underpin and inform these. The unit will continue to examine the

practical uses of information technology in teaching and learning in English.

### EDBT5658

#### Geography Curriculum 2

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Kate Keeley **Session:** Semester 2  
**Classes:** 4 hrs per wk for 8 wks **Prerequisites:** EDBT5608 Geography Curriculum 1 **Assessment:** 3 assessment tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study aims to continue the development of graduates to be teachers of HSIE and Geography. It will develop skills in applying cross curriculum content and perspectives, especially civics and citizenship education, literacy and numeracy, and multiculturalism, to the development of learning strategies and resources. This unit of study provides opportunities for students to achieve outcomes in understanding the curriculum design of Geography education, designing and delivering a range of teaching strategies, evaluating and developing teaching resources, and assessing students' achievement in Geography. ICT will be emphasised throughout.

### EDBT5659

#### History Curriculum 2

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Carmel Fahey/ Dr Tim Allender **Session:** Semester 2 **Classes:** 9 x 1hr lec and 9 x 1hr seminar and 9 x 2hr seminar **Prerequisites:** EDBT5609 History Curriculum 1 **Assessment:** 1 x 2000 wd peer teaching activity, 1 x 4000 wd unit of work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This module aims to introduce students to a range of source-based experimental approaches to history teaching and learning. It is also intended to provide the opportunity for individuals to pursue a topic of historical interest, to consider the ways in which this topic may be represented in the history classroom and work collaboratively in the development of teaching and learning materials. This unit is also designed to develop students' skills in applying cross curriculum content and perspectives especially civics and citizenship, literacy and numeracy and multiculturalism to the development of learning strategies and teaching resources.

### EDBT5660

#### Classical Hebrew & Judaism Curriculum 2

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Brian Conyer **Session:** Semester 2 **Classes:** 4 hrs per wk for 9 wks (36 hours) **Prerequisites:** EDBT5610 Classical Hebrew & Judaism Curriculum 1 **Assessment:** Assessment will consist of School visit assignment, Vision Statement and Unit of Work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, B Teach.

This unit of study is the second in a series for students who intend to teach Judaic Studies in Stages 4-5. The unit develops foundational skills for classroom teaching in addition to specialised methods for the teaching of Judaism. The unit also introduces students to the socio-historic development of Jewish education in Australia, providing an understanding of local context.

### EDBT5661

#### Languages Curriculum 2

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 2 **Classes:** lec 1hr per wk x 9 wks, sem 2hrs per wk x 9 wks, 1 day intensive sem **Prerequisites:** EDBT5611 Languages Curriculum 1 **Assessment:** 1 x stage 6 assessment task design 1000 wds. 1 x portfolio 1000 wds. 1 x set 10 ppt slides **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit is designed to build knowledge, skills and competencies developed in Languages Curriculum 1, and on understandings

developed during the first school experience session with a deepening knowledge of the theories and practices of intercultural languages education and languages classrooms in the Australian context, students will continue to investigate issues in languages curriculum design and development.

### EDBT5662

#### Languages Curriculum 2 (Additional)

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 2 **Classes:** lec 1 hr per wk x 9wks **Prerequisites:** EDBT5611 Languages Curriculum 1 and EDBT5612 Languages Curriculum 1 (Additional) **Corequisites:** EDBT5661 Languages Curriculum 2 **Assessment:** 1 x stage 6 assesment task design 1000 words, 1 x portfolio 1000 wds, 1 x 1000 wd interview with a school language learner. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit is designed for pre-service language teachers continuing with their curriculum method study in an additional target language. The unit will continue to build pre-service teachers awareness, skills and understandings in languages education, especially in to Stage 6 Continuers syllabus.

### EDBT5663

#### Mathematics Curriculum 2

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 2 **Classes:** 2 x 1.5hrs x 9 wk tut/sem/wkshp **Prerequisites:** EDBT5613 Mathematics Curriculum 1 **Assessment:** 1 x 2000wd essay and 1 x 4000wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit follows on from Mathematics Curriculum 1 (Doubles and Singles) and Mathematics Curriculum 1 (Extension) for double method students only. Its focus is on the learning and teaching of Data, Measurement and Space using a range of technologies.

### EDBT5664

#### Mathematics Curriculum 2 (Extension)

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 2 **Classes:** 9 x 3hrs lec and sem and wkshp **Prerequisites:** EDBT5613 Mathematics Curriculum 1 and EDBT5614 Mathematics Curriculum 1 (Extension) **Corequisites:** EDBT5663 Mathematics Curriculum 2 **Assessment:** 1 x 2500 wd essay and 1 x 3500 wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This is the 2nd curriculum unit offered in S2, for students doing double mathematics method. This unit of study will include assessing students with special needs using a variety of techniques and planning appropriate learning experiences to further develop their mathematical understanding.

### EDBT5665

#### Music Curriculum 2

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Peter Dunbar-Hall **Session:** Semester 2 **Classes:** 8 x 3hr wkshps **Prerequisites:** EDBT5615 Music Curriculum 1 **Assessment:** 2 x assessments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

The purpose of this unit of study is to instruct students in teaching methodologies suitable for use in secondary music education in the Yr 11-12 range and to prepare students for their second Practicum in schools. As current syllabuses also require music educators to teach from an Australian music perspective, this unit of study focuses attention on developments in Australian music.

### EDBT5666

#### Music Curriculum 2 (Extension)

## Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Gary Watson/ A/Prof Peter Dunbar-Hall  
**Session:** Semester 2 **Classes:** 8 x 3hrs wkshp **Prerequisites:** EDBT5615 Music Curriculum 1 and EDBT5616 Music Curriculum 1 (Extension)  
**Corequisites:** EDBT5665 Music Curriculum 2 **Assessment:** 3 x assessments  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

In Non-Western Music students gain experience in performing in a musical ensemble. They are required to study the teaching and learning styles in use, to gain introductory understanding of ethnomusicological method, and to apply their analysis of the pedagogy experienced to their own understanding of music teaching and learning.

## EDBT5667

### Science Curriculum 2

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 2 **Classes:** 2 x 2hr per wk x 8 wks **Prerequisites:** EDBT5617 Science Curriculum 1 **Assessment:** 1 x 4000 wd essay/assignment (portfolio) and 1 x 2000 wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study builds upon the work done in the prerequisite course Science Curriculum 1. The unit is designed to develop students' understanding of the nature of science teaching and children's learning of science. The planning of science teaching and learning activities. The interpretation and implementation of syllabus aims, objectives, outcomes and content guidelines. The integration of individual science disciplines within a multidisciplinary science curriculum.

## EDBT5668

### Science Curriculum 2 (Extension)

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 2 **Classes:** 1 x 3hr per wk x 8 wks or 1 x 2hr per wk x 8 wks and field work **Prerequisites:** EDBT5617 Science Curriculum 1 and EDBT5618 Science Curriculum 1 (Extension) **Corequisites:** EDBT5667 Science Curriculum 2 **Assessment:** 2 x 3000 wd assignments or equivalent **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study aims to prepare graduates for the teaching of a science in high schools as their teaching specialisation. Students will investigate the nature and purpose of science education in the Stage 6 secondary school, contemporary syllabuses in science for years 11 - 12, science teaching and learning strategies and planning of units of work. Students will investigate the nature and purpose of science education, contemporary syllabuses in one of the Year 11 - 12 science syllabuses: Biology, Chemistry, Physics, Earth and Environment Science or Senior Science.

## EDBT5669

### Social Studies Curriculum 2

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Kate Keeley **Session:** Semester 2 **Classes:** 4 hrs per wk for 8 wks **Prerequisites:** EDBT5619 Social Studies Curriculum 1 **Assessment:** See the assessment details for EDBT5655, EDBT5658 and EDSE3058 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study aims to continue the development of graduates to be teachers of HSIE in 7-10 syllabuses and either Society & Culture or Legal Studies. It will develop skills in applying cross curriculum content and perspectives especially civics and citizenship education, literacy and numeracy, and multiculturalism to the development of learning strategies and resources. This unit will address: curriculum design in one of Commerce/Economics, Geography or History education, designing and delivering a range of teaching strategies, evaluating and developing teaching resources and assessing student's

achievement in Geography, Commerce or History. ICT will be emphasised throughout.

## EDBT5670

### TAS Curriculum 2

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Nigel B Goodwin **Session:** Semester 2 **Classes:** 3hrs x 8 weeks **Prerequisites:** EDBT5620 TAS Curriculum 1 **Assessment:** OH&S Risk Assessment (20%); Revised Lesson Plan and Program (20%); Design-make-Appraise tasks (50%); ICT (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** B Teach.

This unit extends the concepts and practices introduced in TAS Curriculum 1 and focuses on broader programming, assessing and teaching issues with special emphasis on diversity in learning. OH&S is studied in terms of prevailing risk management models. Classroom management issues are studied in the unique context of administering TAS budgets and material and human resources. Students will undertake design-make-appraise tasks based on selected program of study developed in earlier units of study.

## EDBT5671

### TAS Curriculum 2 (Extension)

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Nigel B Goodwin **Session:** Semester 2 **Classes:** 3hrs x 8 weeks **Prerequisites:** EDBT5620 TAS Curriculum 1 and EDBT5621 TAS Curriculum 1 (Extension) **Corequisites:** EDBT5670 TAS Curriculum 2 **Assessment:** Research report on professional development (20%); DMA tasks (50%); Special needs reports (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach.

This unit extends and develops understandings on approaches to design-make-appraise tasks in the TAS KLA. There is some coverage of VET industry curriculum frameworks as part of a study of education pathways. The special needs of gifted and talented and learners with special needs are investigated and teaching and learning strategies developed to address those unique needs. Novice learning in Stage 5 syllabi is critically examined by undertaking design-make appraise tasks (DMA). Issues surrounding professional development and developing the TAS KLA are canvased and initiatives worked through.

## EDBT5672

### TESOL Curriculum 2

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Theodora Lafkas **Session:** Semester 2 **Classes:** 16 x 2hr sem and wkshp **Prerequisites:** EDBT5622 TESOL Curriculum 1 **Assessment:** 3 x assessments and grammar test. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

Literacy is a key area in the learning of English as a second language. For students without high level of literacy in the first language this can be a daunting process. There is strong evidence to suggest common underlying proficiencies in literacy between languages. Teachers need knowledge of English grammar in order to help them assess students' spoken and written language and to plan appropriate teaching programs.

## EDBT5673

### School Psychology 2

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 2 **Classes:** 36 hrs: 12 x 3 hr seminars **Prerequisites:** EDBT5623 School Psychology 1 **Assessment:** Seminar presentation and paper (60%); Case study (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

The assessment of behaviour problems, both externalising and internalising, is introduced as it applies to children and young people in educational and home settings. Links between the theories, description and classification of problem behaviour and DET practice in NSW will be highlighted. Appropriate strategies for the assessment

of behaviour and mental health problems, programming for behaviour management and mental health support strategies, and the evaluation of intervention programs are discussed as they apply to the educational and other environments in which School Counsellors work. Alternative settings for individuals with behaviour and mental health difficulties are critically evaluated and studied.

### EDBT5675

#### Professional Studies 2 (Psychology)

##### Education and Social Work

**Credit points:** 2 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 2 **Classes:** 14 hrs: 3.5 hrs for 4 wks **Assessment:** 1. Planned Interactive Presentation to peers, with summary handout of a selected topic in the area of professional and personal practice (from a set of provided topics), 50% 750 words; 2. Planned talk to staff and/or parents in a school setting on a topic relevant to the work of school counsellors, 50% 750 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study focuses on ethical and professional skills for school psychology. A focus on the components of successful work in schools will be presented, including areas such as collaborative team-work, techniques for consultation, systematic approaches and preventative and proactive approaches within school specific contexts and in relation to work with children and adolescents, and their families.

### EDBT5676

#### Teaching & Learning in Early Childhood 2

##### Education and Social Work

**Credit points:** 6 **Session:** Semester 2 **Classes:** 4 hrs per wk for 8 wks separated by Professional Experience component **Prerequisites:** EDBT5626 Teaching & Learning in Early Childhood 1 **Assessment:** Seminar presentation, report, case writing **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach.

This unit of study is divided into two parts to support and then consolidate the first professional experience in an early childhood setting. Learning activities in the first four weeks focus on preparation for the Practicum and include information on managing and administering an early learning community. The focus in the second part is on critical reflection of the professional experience and includes case writing.

### EDBT6119

#### Honours 2

##### Education and Social Work

**Credit points:** 2 **Teacher/Coordinator:** Prof Gabrielle Meagher **Session:** Semester 1, Semester 2 **Assessment:** 1 x 2000 wd essay, seminar assignments and presentations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Teach.

This unit prepares Honours students for researching and writing their Special Study project. Seminars explore the breadth and diversity of approaches to educational research and are designed to help students think through the relationships between existing research, conceptual frameworks, a research question, methodology, and findings. Assessment consists of a critical literature review, which should be reworked for inclusion in the Special Study report, as well as written and classroom exercises linked to the seminar program. During the unit, students are expected to develop a plan for the conduct of their Special Study, including a detailed account of their proposed research method, and to be consulting regularly with their Special Study supervisor.

### EDBT6125

#### Special Education: Inclusive Schools

##### Education and Social Work

**Credit points:** 3 **Session:** S1 Intensive, Semester 1 **Classes:** 1 hr lecture wks 1 - 6, 1 hr tutorial wks 1 - 6 **Prerequisites:** EDBT5500 and EDBT5502 and EDBT5503 **Assessment:** Fieldwork report (1000 wds, including 15 hr fieldwork/school placement), inclusion statement (250 wds), tutorial (equiv. 500

wds) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit addresses mandatory requirements to be met by every graduate pre-service teacher. Issues relating to the education of students with a disability will be addressed through working with a student/s with a disability or learning difficulty, conducting tutorials that highlight evidence-based practices for working with students with special education needs, and engaging in lectures and seminars that promote attitudes, knowledge and beliefs that students with disabilities will access and participate in quality education programs.

### EDBT6500

#### Schools and their Communities

##### Education and Social Work

**Credit points:** 5 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** S1 Intensive, Semester 1 **Classes:** 9 x 1 hr lects, 7 x 1.5 hr tuts, 2 x 2 hr tuts **Prerequisites:** EDBT5500 Introduction to Teaching and Learning; EDBT5502 Teachers and Learners in Schools **Assessment:** 1 x 2000 wd essay, 1 x 1000 wd essay, professional portfolio **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit in Study One builds on the knowledge and skills gained in EDBT5500 and EDBT5502. The unit provides opportunities to investigate the complex and changing nature of school environments and further explores school community relationships. In particular this unit critically examines current debates concerning schooling, education, communities and society. In addition, participants will develop further knowledge and understanding needed for transition into the professional community of teachers. Combined, these insights will foster a deeper appreciation of, and critical insight into numerous factors that impact on the work of teachers as well as one's own practice.

### EDBT6501

#### Professional Experiences 2

##### Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Di Bloomfield/Dr Tony Loughland **Session:** Semester 1, Semester 2 **Classes:** block mode (20 days) **Prerequisites:** EDBT5503 and EDBT5500 and EDBT5502 and one of: EDBT5652, EDBT5654, EDBT5655, EDBT5656, EDBT5657, EDBT5658, EDBT5659, EDBT5660, EDBT5661, EDBT5663, EDBT5665, EDBT5667, EDBT5669, EDBT5670, EDBT5672, EDBT5673. OR EDBT5503 and EDBT5500 and EDBT5502 and EDBT5535 and EDBT5536 **Assessment:** Satisfies Requirements/Fail **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B Teach, PG Coursework Exchange.

Students undertake their second Professional Experience of 20 days in a secondary or primary school in a second year of the program. During the practicum students are assigned to one or more Cooperating Teachers in a single discipline area and will be responsible for teaching one or more classes for a total of between 12 and 16 lesson periods per week. The Cooperating Teachers will closely support their work in the school and in discussion with the Tertiary Mentor will be responsible for writing the report on the Professional Experience that will form the basis of the assessment in the enrolled unit of study. Assessment is aligned with the NSW Institute of Teacher's Professional Teaching Standards for the Graduate Teacher.

### EDBT6531

#### English 2 K-6

##### Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Alyson Simpson **Session:** S1 Intensive, Semester 1 **Classes:** sem, tut, wkshp block mode **Prerequisites:** EDBT5531 English 1 K-6 **Assessment:** 800 wd webCT practical discussion, 1200 wd tutorial task, 2000 wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit is designed to develop students' understanding of how English K-6 is a core factor in planning for teaching across KLAS in the primary curriculum. Emphasis will be on making connections between prior learning to current syllabus demands and the texts and learners in classrooms today. It is expected that students will continue to expand their theoretical knowledge of principles of English teaching as well as continue to develop explicit knowledge of metalanguage to inform their understandings of text construction. Students will be asked to reflect on key readings to challenge, to make links to their own experiences and to question past and current practice. Students will also develop learning experiences that encourage reading for enjoyment, personal and critical response.

### EDBT6532

#### Mathematics 2 K-6

#### Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Jenni Way **Session:** S1 Intensive, Semester 1 **Classes:** 7 x 2 hr tut and 4 wks prac **Prerequisites:** EDBT5532 Mathematics 1 K-6 **Assessment:** 1 x 1500wd essay (50%) article (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

Mathematics Education 2 will draw on the content from 5 different strands in the NSW syllabus. It will focus on the development of concepts and processes from the Data strand, Space and Geometry strand and Measurement strand. It will explore children's understanding of chance and data handling and investigate ways in which concepts from other strands of the syllabus can be taught in an integrated manner. It will also build on content and processes established in Mathematics Education 1 by focusing on Stage 2 and 3 Number Strand. The working mathematically strand will be integrated throughout all content areas.

### EDBT6533

#### Linkages Across the Curriculum K-6

#### Education and Social Work

**Credit points:** 2 **Teacher/Coordinator:** Vilma Fyfe **Session:** S1 Intensive, S2 Intensive, Semester 1, Semester 2 **Classes:** block mode **Prerequisites:** EDBT5500 and EDBT5502 and EDBT5503 **Assessment:** 1 x 2500 wd situational analysis and report **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study focuses on how to integrate key learning areas in the primary curriculum without losing their integrity. It also allows you to investigate the range of strategies teachers and schools use to integrate the key learning areas so they can try to cover the subject matter and outcomes in the syllabus documents. During your practicum you will investigate how the school and your cooperating teacher manages integration. You will share your findings with your tutorial group members and learn how different schools, systems and teachers plan and implement integration.

### EDBT6537

#### Special Interest Unit 2

#### Education and Social Work

**Credit points:** 2 **Teacher/Coordinator:** Dr Tony Loughland **Session:** S1 Intensive, S2 Intensive, Semester 1, Semester 2 **Classes:** 3 hr wkshps per wk x 4 wks **Prerequisites:** EDBT5537 Special Interest Unit 1 and EDBT5500 **Assessment:** 1 assessment task **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: S2 Intensive, Semester 2.*

**Associated degrees:** B Teach, PG Coursework Exchange.

There will be three special interest options offered each semester this is scheduled. In 2008 these were Koori Kids in the Classroom, Science and Technology with Toys, and Music Education.

### EDBT6602

#### Art Curriculum 3

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 1 **Classes:** 2 hrs per wk x 10 wks and 1 hr x 10 wks tut/seminar/wkshp **Prerequisites:** EDBT5602 Art Curriculum 1 and EDBT5652 Art Curriculum 2 **Assessment:** visual art body of work and VAPD; contextualising the body of work in the classroom 2000 wds. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit aims to introduce art education issues and perspectives and develop skills in teaching the broad areas of Visual Arts in Stage 6. This unit will focus on the development and documentation of the processes involved in creating a Body of Work. Through this process the students will further extend their capacity to engage senior high school students using creative processes, in order that they are able to support them in developing their Body of Work.

### EDBT6603

#### Art Curriculum 3 (Extension)

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 1 **Classes:** 2 hrs per wk x 10 wks lec and 1 hr per wk x 10 wks tut/seminars/wkshps **Prerequisites:** EDBT5602 Art Curriculum 1; EDBT5603 Art Curriculum 1 (Extension); EDBT5652 Art Curriculum 2; EDBT5653 Art Curriculum 2 (Extension) **Corequisites:** EDBT6602 Art Curriculum 3 **Assessment:** 1 x 2500 wd essay and 1 x 1500 wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit aims to explore further issues and perspectives and develop skills in teaching the broad areas of Visual Arts with emphasis placed on continuum of learning in the visual art in stage 6. In particular, the focus will be on the use of digital and computer media in the visual arts by exploring aspects of the photography, video and digital imaging content endorsed course as well as the Visual Design Content Endorsed Course.

### EDBT6604

#### Drama Curriculum 3

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Anderson **Session:** Semester 1 **Classes:** wkshp, lec and sem **Prerequisites:** EDBT5604 Drama Curriculum 1 and EDBT5654 Drama Curriculum 2 **Assessment:** 2 x 3000 wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This course focuses on experiential learning in drama education. Building on the experiences of Drama 1 and 2 this course examines through workshops and seminars the demands of developing group devised pieces with a special emphasis on the development of acting performance and character skills in students. In addition this unit will examine strategies for the teacher supervision of self-directed learning in drama education using the HSC individual performance project as a case study.

### EDBT6605

#### Commerce/Economics Curriculum 3

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Kate Keeley **Session:** Semester 1 **Classes:** 4 hrs per wk for 8 wks **Prerequisites:** EDBT5605 Commerce/Economics Curriculum 1 and EDBT5655 Commerce/Economics Curriculum 2 **Assessment:** 3 assessment tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study aims to continue the development of graduates to be teachers of HSIE Commerce and Economics/Business. Students will gain an understanding of the requirements of the HSC, with a focus on teaching strategies, resourcing and assessment in the Preliminary and HSC courses. This unit provides opportunities for students to achieve outcomes in understanding Economics and Business Studies for the HSC and designing and delivering a range of teaching strategies, evaluating and developing teaching resources, and assessing student achievement of the outcomes of these syllabuses. ICT will be emphasised throughout.

## EDBT6606

### Computer Studies Curriculum 3 Education and Social Work

**Credit points:** 6 **Session:** Semester 1 **Classes:** 9 x 3hr lec and tut and wkshps  
**Prerequisites:** EDBT5606 Computer Studies Curriculum 1 and EDBT5656 Computer Studies Curriculum 2 **Assessment:** 2 x 2000 wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

The Information Technology Curriculum Framework, National Training Framework and AQF certification procedures will be critically examined in the context of VET - Information Technology courses in schools. The second major focus lies in developing skills in the design of learning environments for the classroom.

## EDBT6607

### English Curriculum 3 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Jacqueline Manuel **Session:** Semester 1 **Classes:** 1 x 3hr seminar and 1 lec per wk x 6 wks and 1 module research study (8 hrs) **Prerequisites:** EDBT5607 English Curriculum 1 and EDBT5657 English Curriculum 2 **Assessment:** 2 x assessments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit is designed to develop your understanding, knowledge and pedagogical skills in teaching literature to adolescents. There is an emphasis on theory in practice, wide reading and literature based units of work, 7-12. The sessions will be approached as workshops, during which you will be expected to contribute to whole class and small group collaborative tasks.

## EDBT6608

### Geography Curriculum 3 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Kate Keeley **Session:** Semester 1 **Classes:** 4hrs per wk x for 8wks **Prerequisites:** EDBT5608 Geography Curriculum 1 and EDBT5658 Geography Curriculum 2 **Assessment:** 3 assessment tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study aims to continue the development of graduates to be teachers of HSIE and Geography. Students will gain an understanding of the requirements of the HSC Geography syllabuses. It will focus on teaching strategies, resourcing and assessment in the Preliminary and HSC Geography courses. This unit of study provides opportunities for students to achieve outcomes in understanding Geography for the HSC and designing and delivering a range of teaching strategies, evaluating and developing teaching resources, and assessing student achievement of the outcomes of these syllabuses. ICT will be emphasised throughout.

## EDBT6609

### History Curriculum 3 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Carmel Fahey/ Dr Tim Allender **Session:** Semester 1 **Classes:** 9 x 1hr lec and 7 x 2hr seminar **Prerequisites:** EDBT5609 History Curriculum 1 and EDBT5659 History Curriculum 2 **Assessment:** 1 x 1500 wd presentation, 1 x 4000 wd unit of work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit is designed to develop the skills and understanding necessary to teach current Board of Studies senior history syllabuses. The course also explores the realities of teaching students at this level and the various ways in which higher-order skills may be developed in response to the demands of the new Extension History Syllabus, Stage 6.

## EDBT6610

### Classical Hebrew & Judaism Curriculum 3 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Brian Conyer **Session:** Semester 1 **Classes:** 3hrs x 9 wks **Prerequisites:** EDBT5660 Classical Hebrew & Judaism

Curriculum 2 **Assessment:** 1 x 3000wd essay and 1 x 2000wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, B Teach.

This course is the final in a series for students who intend to teach Judaic Studies in stages 4-8. The course develops advanced skills for the classroom teaching in addition to specialised teaching methods for the teaching of Judaism. The course introduces students to foundational principals of curriculum development, specifically within the Jewish educational context.

## EDBT6611

### Languages Curriculum 3 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 1 **Classes:** lec 1hr per wk x 10 wks, sem 2hrs per wk x 10 wks **Prerequisites:** EDBT5611 Languages Curriculum 1 and EDBT5661 Languages Curriculum 2 **Assessment:** 1 x 1500 wd short answer written task and 1 x 1000 wd portfolio and 1 x program 1000 wds. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit is designed to build on knowledge, skills and competencies developed in Languages Curriculum 1 and 2 to guide and prepare students for Professional Experiences 2 and the latter internship. Students continue to investigate cases of languages and cultures education, honing skills for understandings and competencies for lifelong professional development.

## EDBT6612

### Languages Curriculum 3 (Additional) Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 1 **Classes:** sem 1hr per wk x 10 wks **Prerequisites:** EDBT5611 Languages Curriculum 1 and EDBT5612 Languages Curriculum 1 (Additional) and EDBT5661 Languages Curriculum 2 and EDBT5662 Languages Curriculum 2 (Additional) **Corequisites:** EDBT6611 Languages Curriculum 3 **Assessment:** 1 x 1200 wd essay and 1 x 1000 wd portfolio and 1 x 1000 wd program. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit is the final unit in a series designed for pre-service language teachers continuing with their curriculum method study in an additional target language. The unit will continue to build pre-service teachers awareness, skills and understandings in languages education, especially in regard to the complete series of Board of Studies Stage 6 courses in languages.

## EDBT6613

### Mathematics Curriculum 3 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 1 **Classes:** 2 x 1.5hrs x 10 wks tut sem and wkshps **Prerequisites:** EDBT5613 Mathematics Curriculum 1 and EDBT5663 Mathematics Curriculum 2 **Assessment:** 1 x 3500wd essay and 1 x 2500wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This is the 3rd curriculum unit for students doing the double and single mathematics method. It is built around effective teaching of the General Mathematics course that was first examined at the 2001 HSC. This unit will focus on planning, learning experiences for the General Mathematics course, including teacher exposition, problem solving, investigations, practical work, consolidation and practice and discussion. Teaching calculus will be examined.

## EDBT6614

### Mathematics Curriculum 3 (Extension) Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 1 **Classes:** 10 x 3hr tut sem and wkshp **Prerequisites:** EDBT5613 Mathematics Curriculum 1 and EDBT5614 Mathematics Curriculum 1 (Extension) and EDBT5663 Mathematics Curriculum 2 and EDBT5664 Mathematics Curriculum 2 (Extension) **Corequisites:** EDBT6613 Mathematics Curriculum 3



**Assessment:** 1 x 2500wd essay and 1 x 3000 wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This is the final curriculum unit offered for students doing double mathematics method. This unit will focus on planning, learning environments for the calculus based courses including teacher exposition, problem solving, investigations, practical work, consolidation and practice, discussion.

### EDBT6615

#### Music Curriculum 3

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Pauline Beston, A/Prof Peter Dunbar-Hall **Session:** Semester 1 **Classes:** 8 x 3hrs wkshps **Prerequisites:** EDBT5615 Music Curriculum 1 and EDBT5665 Music Curriculum 2 **Assessment:** 2 x assessments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

The purpose of this unit is to allow students to investigate a range of issues in music education as a means of extending their understanding of music education, its pedagogic methods and its cultural, historical and social contexts. The unit of study is enquiry based and relies on the application of research and presentation skills.

### EDBT6616

#### Music Curriculum 3 (Extension)

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Webb, A/Prof Peter Dunbar-Hall **Session:** Semester 1 **Classes:** 8 x 3hr wkshps **Prerequisites:** EDBT5615 Music Curriculum 1 and EDBT5616 Music Curriculum 1 (Extension) and EDBT5665 Music Curriculum 2 and EDBT5666 Music Curriculum 2 (Extension) **Corequisites:** EDBT6615 Music Curriculum 3 **Assessment:** 3 x assessments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

The purpose of this unit of study is to instruct students in the running of instrumental and/or vocal ensembles in schools. This includes study of instrumentation and orchestration, scoring regulations, the planning and running of rehearsals, conducting techniques and understanding of the roles of ensembles in school music programs.

### EDBT6617

#### Science Curriculum 3

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 1 **Classes:** 2 x 2hr seminar per wk for 10 wks **Prerequisites:** EDBT5617 Science Curriculum 1 and EDBT5667 Science Curriculum 2 **Assessment:** 1 x 4000 wd essay and 1 x class presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study is the last in a series of three which aims to prepare graduates for the teaching of science in high schools as one of their two teaching specialisations. Students will investigate contemporary issues in science education research, curriculum design and implementation, assessment and professional development.

### EDBT6618

#### Science Curriculum 3 (Extension)

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 1 **Prerequisites:** EDBT5617 Science Curriculum 1 and EDBT5618 Science Curriculum 1 (Extension) and EDBT5667 Science Curriculum 2 and EDBT5668 Science Curriculum 2 (Extension) **Corequisites:** EDBT6617 Science Curriculum 3 **Assessment:** 1 x 6000 wd essay or equivalent **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study is the last in a series of three which aims to prepare graduates for the teaching of science in high schools. Students will investigate contemporary issues in science education in one of the following: (i) The role of history and philosophy of science in science curriculum or (ii) specialist studies in one HSC science syllabus area.

### EDBT6619

#### Social Studies Curriculum 3

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Kate Keeley **Session:** Semester 1 **Classes:** 4 hrs per wk for 8 wks **Prerequisites:** EDBT5619 Social Studies Curriculum 1 and EDBT5669 Social Studies Curriculum 2 **Assessment:** See the assessment details for EDBT6605, EDBT6608 and EDSE4023 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study aims to continue the development of graduates to be teachers of HSIE and one of Legal Studies or Society and Culture. Students will gain an understanding of the requirements of the HSC for either Legal Studies or Society and Culture. The unit will focus on teaching strategies, resourcing and assessment in the Preliminary and HSC years for either syllabus area. It provides opportunities for students to achieve outcomes in understanding either Legal Studies or Society and Culture for the HSC, and designing and delivering a range of teaching strategies, evaluating and developing teaching resources, and assessing student achievement of the outcomes of these syllabuses. ICT will be emphasised throughout.

### EDBT6620

#### TAS Curriculum 3

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Nigel B Goodwin **Session:** Semester 1 **Classes:** 3hrs x 8 wks **Prerequisites:** EDBT5620 TAS Curriculum 1 and EDBT5670 TAS Curriculum 2 **Assessment:** Major Design Project & Folio (70%); HSC Exam (20%); Project in-class projects(10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach.

The Design and Technology curriculum course aims to explore issues, perspectives and relationships in the effective design and practical use of technologies. This course will provide students with the opportunity to apply a design philosophy through creative and analytical exploration, explanation, practice and synthesis applicable in an educational context. The curriculum course will focus on the senior syllabi in the TAS Key Learning Area and culminates in a Major Design Project and Project Folio. Additional in-class workshops/tasks will examine change, management and leadership issues in the TAS KLA.

### EDBT6621

#### TAS Curriculum 3 (Extension)

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Nigel B Goodwin **Session:** Semester 1 **Classes:** 3hrs x 8 weeks **Prerequisites:** EDBT5620 TAS Curriculum 1 and EDBT5621 TAS Curriculum 1 (Extension) and EDBT5670 TAS Curriculum 2 and EDBT5671 TAS Curriculum 2 (Extension) **Corequisites:** EDBT6620 TAS Curriculum 3 **Assessment:** Case study of innovative design (30%); ICT Knowledge-Building research task (35%); Individual research report (35%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach.

The Design and Technology curriculum course aims to explore issues, perspectives and relationships in the effective design and practical use of technologies. A section of this unit of study deals with the Case Study within the HSC Course - Senior Design & Technology Yrs 11-12. A second section involves independent research on pedagogical approaches in Technology Education. The third section of this unit of study deals with using ICT to support and augment learning and performance within TAS KLA in a knowledge-building framework.

### EDBT6622

#### TESOL Curriculum 3

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Thodorafa Lafkas **Session:** Semester 1 **Classes:** 14 x 2hr sem/wrkshps **Prerequisites:** EDBT5622 TESOL Curriculum 1 and EDBT5672 TESOL Curriculum 2 **Assessment:** 2 x assessments and bookclub presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

The role of the ESOL teacher has become increasingly complex. Graduates may be working with adults or with teenagers in Australia

or overseas. Traditional career pathways no longer exist as teachers are expected to have the flexibility and knowledge base to adapt to a wide variety of contexts. They need an understanding of students' cultural backgrounds and skills in intercultural communication.

### EDBT6623

#### School Psychology 3 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 1 **Classes:** 36 hrs: 12 x 3hr seminars **Prerequisites:** EDBT5623 School Psychology 1 and EDBT5673 School Psychology 2 **Assessment:** 1. Seminar presentation on Therapeutic Technique 50%; handout paper 1000 wds plus key references, presentation 60 mins; 2. Pamphlet and Resources Folder in specified mental health area 50%; 2000 wds. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Teach, PG Coursework Exchange.

This unit of study is designed to introduce the students to issues and concepts related to counselling children and adolescents within the school setting. The focus will be on accurate assessment of the concerns and the development of intervention plans appropriate for the educational environment.

### EDGU2000

#### Teaching English Internationally 1 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Ms Theodora Lafkas **Session:** Semester 1 **Classes:** 3 hours per week. **Prerequisites:** 144 credit points including 78 credit points of Education **Corequisites:** EDSE5008 and EDBT5000 **Assessment:** 1 hr exam, seminar presentation (1,500 wds), discussion room (1,000 wds), developing oral/interactive tasks (2,500 wds). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program.

The rapid expansion of English as a global language has led to a demand for graduates across a range of disciplines to have skills and expertise in English language teaching. This unit aims to introduce theory, concepts and practices in teaching English. The unit will focus on developing participants' knowledge and understanding of English language teaching and learning to international students in Australia and in primary, secondary and tertiary contexts overseas. The unit will develop understanding of second language learning and intercultural skills. It requires an interest in but not a specific background in teaching and languages.

### EDGU3000

#### Teaching English Internationally 2 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Ms Theodora Lafkas **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** 144 credit points including 78 credit points of Education **Corequisites:** EDGU2000, EDSE5008 and EDBT5000 **Assessment:** Seminar presentation (1,500 -2000 wds); reflective report (2,000 wds) and unit of work (2,000 wds) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program.

The rapid expansion of English as a global language has led to a demand for graduates across a range of disciplines to have an understanding of international Englishes and expertise in English language teaching. This unit aims to extend participants' knowledge and understanding of English language teaching and learning to international students in Australia and in primary, secondary and tertiary contexts overseas. The unit will develop understandings of systems of English grammar, testing and assessment in TESOL and curriculum development and evaluation. It requires an interest in but not a specific background in teaching and languages.

### EDSE2001

#### Craft Knowledge and Prof Practices 1 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Llian Merritt **Session:** Semester 2 **Classes:** 3 hrs/wk for 10 wks and 1 workshop **Prerequisites:** 48 credit points

including 18 credit points of Education **Assessment:** Three assessment tasks including teacher narrative 1000 words (30%), web-based discussion room 1000 words (30%), and 3000 words assignment (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program.

This unit of study explores how teachers become more aware of their professional practices and develop and refine craft knowledge. Students examine the evolving roles of teachers in the classroom, identify best teaching practices and analyse and critique a range of teaching styles, methods and strategies (including ICT) to meet the needs of students. Students learn about the roles of teachers in classrooms and examine their own emerging perceptions of self as teacher.

### EDSE3037

#### Teaching Visual Arts 1A Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 1b **Classes:** 4 hrs/wk **Prerequisites:** 54 credit points including 24 credit points of Education including EDSE2001 and 12 senior credit pts of Art History and Theory **Corequisites:** Practical art course taken at The Tin Sheds **Assessment:** Visual Art reflective journal; Collaborative Group Work Cse Study; Lesson plan development **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit will introduce the nature and scope of Visual Art Education within NSW and in particular the NSW Visual Art 7-10 syllabus.. This is followed by a survey of existent pedagogical models of art teaching with a focus on experiential learning through practical activity. The role of reflection within authentic learning contexts will receive special emphasis in the context of the mandatory visual art syllabus. Authentic, practical activities will be utilised to contextualise and ground art education processes. Students will be introduced to organising, planning and managing learning experiences based on the assessment for learning for Stages 4 and 5.

### EDSE3038

#### Teaching Visual Arts 1B Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 1b **Classes:** 4 hrs/wk **Prerequisites:** 54 credit points including 24 credit points of Education including EDSE2001 & 12 senior credit points of Art History and Theory **Corequisites:** Practical art course taken at The Tin Sheds. **Assessment:** Unit of Work; Collaborative Groupwork Seminar Presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit will further examine the scope and sequence of Visual Art Education within NSW. The unit will critically analyze and evaluate pedagogical models of art teaching with a special emphasis on experiential learning, learning through practical activity. In particular it will address assessment for learning in the Visual Arts 7-10 in order that students collaborate in developing a Unit of Work for Stage 4. This is followed by an introduction of a learning activity from the sequence of learning schedule of that Unit of Work. This group presentation is to be offered as a 45 minute lesson clearly demonstrating the scope and sequence of learning of the Unit of Work.

### EDSE3040

#### Teaching History 1 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Carmel Fahey, Dr Tim Allender **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 54 credit pts including 24 credit pts of Education including EDSE2001 and 12 Senior credit pts of History **Assessment:** Task 1- Influences, beliefs and conceptions - 50%; Task 2 - Devising a sequence of four lessons - 350% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit aims to prepare History Curriculum students in the theory and practice of teaching history in the secondary school. The unit draws on current research, thinking and practice in the field of history education, and relates these understandings to the realities and varying contexts of history teachers' work and instruction.

### EDSE3041

#### Teaching Geography 1

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Ms Kate Keeley **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 54 credit points including 24 credit points of Education including EDSE2001 and 12 Intermediate credit points of Geography **Assessment:** There will be three assessment tasks. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study aims to make students confident, enthusiastic and competent teachers of HSIE and Geography. This unit has two parts HSIE Core (2 hrs/wk) and Geography (2 hrs/wk). HSIE core develops competencies and skills in lesson planning, programming and pedagogy in HSIE teaching. An understanding of the NSW Board of Studies Years 7-10 Geography Syllabus will be developed and students will develop lesson plans, programs, teaching resources and a range of Commerce teaching materials. There will be an emphasis on ICT throughout.

### EDSE3042

#### Teaching Drama 1

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr M Anderson **Session:** Semester 1b **Classes:** 4 hrs/wk **Prerequisites:** 48 credit pts including 24 credit pts of Education and EDSE2001 and 12 Senior credit pts of Performance Studies **Assessment:** Assessment is based on the analysis of syllabus and support documents, development of teaching resources for 7-10 drama classes and the analysis of a professional performance. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study is the initial Drama Curriculum (method) course unit for prospective secondary Drama teachers who are in the third year of the combined BEd/BA degree program. The unit introduces the teaching Drama 7-12, with a focus on Stages 4 & 5. Students will examine the history of drama education, examine teaching strategies for improvisation and other forms of drama. Students will begin to develop their own personal style of teaching. The emphasis in this course is upon the teaching of Process Drama related to the NSW Year 7 - 10 Drama Syllabus.

### EDSE3043

#### Teaching TESOL 1

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Ms Theodora Lafkas **Session:** Semester 1b **Classes:** 4 hrs/week **Prerequisites:** 54 credit points including 24 credit points of Education and EDSE2001 plus 12 Senior credit points of either Linguistics, English, or Languages. **Assessment:** 2 major assignments and 1 minor presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit relates to the overall goal of the TESOL program, which is to provide students with both a foundation and a framework for the successful teaching of English to speakers of other languages. The unit will encourage them to make decisions about appropriate classroom strategies across the curriculum, give insight into the current debates within the field and suggest a direction for future thinking. The unit outlines the background to the teaching of English to speakers

of other languages, with a focus on oral skills and design of interactive tasks.

### EDSE3044

#### Teaching English 1

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Jacqueline Manuel **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 54 Credit Points including 24 credit points of Education and EDSE2001 and 12 Senior credit pts of English or Australian Literature **Assessment:** (1) Lesson plans for junior English (2) a reflective journal dealing with students' growing understanding of the English teacher's role that will include critiquing of readings and a philosophy of English. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

Designed to increase knowledge and understanding of the theory and practice of teaching Secondary English within the perspective of the K-12 continuum, this unit of study will seek to provide a thorough grounding in the syllabus documents, content and materials used in Year 7 - 10 English classes. The unit will facilitate the development of effective, creative professionals who understand and can implement contemporary theory relevant to teaching and learning English, and who are proficient in a range and variety of teaching strategies appropriate to the class levels and individual needs encountered in secondary English classes.

### EDSE3045

#### Teaching Mathematics 1A

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 1b **Classes:** 3 hours/week **Prerequisites:** 54 credit points including 24 credit points of Education and EDSE2001 and 12 credit points of Intermediate Mathematics **Assessment:** 1. Evaluating and planning units and lessons (3000 wds). 2. Developing further lessons (3000 wds). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study, the first in the sequence over Year 3 and 4 of the double degree, allows double and single mathematics method students to become aware of a number of basic issues encountered by mathematics teachers in the secondary school. Emphasis is placed on the design of effective lessons in Years 7-10, focussing on Working Mathematically, Number, and Patterns and Algebra.

### EDSE3046

#### Teaching Mathematics 1B

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 1b **Classes:** 3 hours/week **Prerequisites:** 54 credit points including 24 credit points of Education and EDSE2001 and 12 credit points of Intermediate Mathematics. **Corequisites:** EDSE3045 **Assessment:** 1. Identifying and reviewing a selection of journal articles that relate to a specific topic from the syllabus or to a current issue in mathematics education (2500 wds). 2. Designing a portfolio of rich problems for a particular stage (3500 wds). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study focuses on the role of the mathematics teacher in the classroom, with particular emphasis on the junior high school years. It is intended to provide the student with techniques for constructing rich learning environments for students in the early years of high school. Particular types of assessment tasks are examined that focus on problem solving and investigations.

### EDSE3047

#### Teaching Languages 1A

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 1b **Classes:** 3 hours/week **Prerequisites:** 54 credit points including 24 credit points of Education and EDSE2001 plus 12 credit points of Intermediate

Languages **Assessment:** Assessment will be based on one essay, lesson planning and reflection within a portfolio. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study is the initial Languages Curriculum (method) course unit for prospective secondary languages other than English teachers who are in the third year of the combined Bachelor of Education/Bachelor of Arts degree program. The unit is designed to introduce pre-service languages teachers to key concepts and understandings of languages education and build their awareness and skills in preparation for NSW secondary classrooms during School Experience 1. Students will gain broad understandings about the nature and scope of teaching of languages other than English education in the NSW context, about traditional and more contemporary and innovative classroom practices and particular aspects of policy and Board of Studies documentation. Students begin a "journey" of reflection on their knowledge and practice of languages education.

### EDSE3048

#### Teaching Languages 1B

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 1b **Classes:** 1 hour class plus guided reading tasks **Prerequisites:** 54 credit points including 24 credit points of Education and EDSE2001 plus 12 credit points of Intermediate Languages **Corequisites:** EDSE3047 **Assessment:** Assessment will be based on one essay, lesson planning and reflection within a portfolio. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study is the initial Languages Curriculum (method) course unit for prospective secondary languages other than English teachers who are in the third year of the combined BEd/BA degree program and who have two languages as teaching methods. The unit is designed to introduce pre-service languages teachers to key concepts and understandings of languages education and build their awareness and skills in preparation for NSW secondary classrooms during School Experience 1. Students will gain broad understandings about the nature and scope of teaching of languages other than English education in the NSW context, about traditional and more contemporary and innovative classroom practices and particular aspects of policy and Board of Studies documentation. Students begin a "journey" of reflection on their knowledge and practice of languages education.

### EDSE3049

#### Teaching Computer Studies 1

##### Education and Social Work

**Credit points:** 6 **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 54 credit points including 24 credit points of Education and EDSE2001 and 12 credit points of Intermediate Computer Studies **Assessment:** Assessment is based on the analysis of syllabus & support documents, development & implementation of teaching resources for 7-10 computing classes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study focuses on the teaching of the NSW Computing Studies syllabi (7 to 12). The main focus is on preparing computing studies lessons which focus on design issues & problem solving, and particularly on introducing hardware versus software, input and output, data (storage and communication), user interfaces, instructions (including "if-then"), errors, testing, and otherwise viewing a computer as a system. This unit focuses on methods of teaching with particular emphasis on activities and projects which wholistically combine sections of the syllabus in a realistic context. Students will begin to develop their own approach to deconstruction of the syllabus and reconstruction into activities, lessons, and projects.

### EDSE3050

#### Teaching Commerce/Economics 1 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Ms Kate Keeley **Session:** Semester 1b **Classes:** 4 hrs/wk **Prerequisites:** 54 credit points including 24 credit points of Education and EDSE2001 and 12 intermediate credit points of Economics or Political Economy **Assessment:** There will be three assessment tasks. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study aims to make students confident, enthusiastic and competent teachers of HSIE and Commerce/Economics. This unit has two parts HSIE Core (2 hrs/wk) and Commerce/Economics (2 hrs/wk). The HSIE core develops competencies and skills in lesson planning programming and pedagogy in HSIE teaching. An understanding of the NSW Board of Studies years 7-10 Commerce Syllabus will be developed and students will develop lesson plans, programs, teaching resources and a range of Commerce teaching materials. There will be an emphasis on ICT throughout.

### EDSE3051

#### Teaching Science 1 (Core)

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 1b **Classes:** 5 hrs/wk **Prerequisites:** 54 credit points including 24 credit points of Education and EDSE2001 and 12 intermediate credit points in one Science Area (either Chemistry, Biology, Geology or Physics) + 6 credit points in 2nd Science area either Chemistry, Physics, Biology or Geology. **Assessment:** Assessment will be based on a professional portfolio, an assignment and a class presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study is the initial Science Curriculum (method) course unit for prospective secondary Science teachers who are in the third year of the combined BEd/BSc degree program. The unit is designed to introduce students to contemporary ideas on the nature and practice of science education in the context of schooling, the aims of secondary science education and their implementation, the nature of the school science curriculum with particular emphasis on Australian secondary science curricula and the research, skills, resources and challenges that provide the contexts for contemporary science teaching and learning.

### EDSE3052

#### Teaching Science Elective (Chemistry)

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Mr Tony Sperring **Session:** Semester 2 **Classes:** 4 hours/week **Prerequisites:** 54 credit points including 24 credit points of Education and EDSE2001 and 12 intermediate credit points of Chemistry and 12 credit points of Mathematics **Corequisites:** EDSE3051 **Assessment:** Assessment will be based on two assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study is a double method Science elective which complements the common ('core') science Curriculum courses, Teaching Science 1 (Core) and Teaching Science 2 (Core), taken by all Science Education students in the third year of the double degree program. In this course unit, students study issues in the teaching and learning of Stage 6 Chemistry.

### EDSE3053

#### Teaching Science Elective (Senior Sci)

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Ms Alex Hugman **Session:** Semester 2 **Classes:** 4 hours/week **Prerequisites:** 54 credit points including 24 credit points of Education and EDSE2001 and 24 intermediate credit points in two Science areas: either Chemistry, Physics, Biology or Geology. **Corequisites:** EDSE3051 **Assessment:** Assessment will be based on two assignments

**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study is a double method Science elective which complements the common ('core') science Curriculum courses, Teaching Science 1 (Core) and Teaching Science 2 (Core), taken by all Science Education students in the third year of the combined degree program. In this course unit, students study issues in the teaching and learning of Stage 6 Senior Science, a multidisciplinary science course for senior school students.

### EDSE3054

#### Teaching Science Elective (Biology)

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Mr Ian Stevens **Session:** Semester 1b **Classes:** 4 hours/week **Prerequisites:** 54 credit points including 24 credit points of Education and EDSE2001 and 12 intermediate credit points of Biology. **Corequisites:** EDSE3051 **Assessment:** Assessment will be based on two assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study is a double method Science elective which complements the common ('core') science Curriculum courses, Teaching Science 1 (Core) and Teaching Science 2 (Core), taken by all Science Education students in the third year of the double degree program. In this course unit, students study issues in the teaching and learning of Stage 6 Biology.

### EDSE3056

#### Teaching Visual Arts 2A

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 2 **Classes:** 36 hrs/semester **Prerequisites:** EDSE3037 and Practical art course taken at The Tin Sheds. **Corequisites:** Advanced practical art course taken at The Tin Sheds. **Assessment:** Reflective Visuals Arts Education Learning Journal (2000 wds); Extended Unit of Work, including case study (3000 wds) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit aims to explore further issues and perspectives raised in Visual Arts 1A and 1B and is designed for Single and Double Method students. This unit addresses the NSW Visual Arts Stage 5 and 6 Syllabuses. The unit focuses on the teaching and learning in the Visual Arts and Stages 5 and 6 and in particular pupils' development of increasingly more autonomous ways of understanding of learning through the study of Visual Arts. This unit closely examines the nature and scope of the Visual Art Stage 6 HSC course with emphasis on the Visual Arts written examination. This is followed by a survey of extant pedagogical models of art teaching with a special emphasis on experiential learning, learning through practical activity. The role of reflection within authentic learning contexts will receive special emphasis in the context of the DET Visual Art Policy Documentation. Students will be introduced to organising, planning and managing teaching experiences

### EDSE3057

#### Teaching Visual Arts 2B

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 2 **Classes:** 4 hrs/wk (36 hours) **Prerequisites:** EDSE3037 and EDSE3038 and Practical art course taken at The Tin Sheds **Corequisites:** Advanced practical art course taken at The Tin Sheds and EDSE3056 **Assessment:** Assessment and evaluation guide; peer assessment exercise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit builds further on the in-depth understanding and capability of students and explores art-based approaches in a wider range of media reflecting the aims and outcomes of the Visual Art syllabus for Stage 6. This unit is designed to add a strong focus on critical/historical art analysis and design pedagogy, reflection in and upon learning, and on implementing authentic learning tasks. The main focus is on the use of standards and appropriate assessment strategies for learning to enhance and improve the learning of pupils.

### EDSE3058

#### Teaching History 2

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Carmel Fahey, Dr Tim Allender **Session:** Semester 2 **Classes:** 4 hours/week (36 hours) **Prerequisites:** EDSE3040 plus 12 senior credit points of History. **Assessment:** Assessment will be based on two pieces of work. The first focuses on peer teaching - 30%. The second assessment task requires students to collaboratively develop teaching and learning strategies around a particular approach to history teaching and learning - 70% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This Unit of Study aims to prepare History students to acquire the knowledge, skills and understandings necessary to implement the Years 7 - 10 History Syllabus, Board of Studies, NSW. The unit focuses specifically on developing a range of approaches to history teaching and learning across age and ability groups.

### EDSE3059

#### Teaching Geography 2

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Ms Kate Keeley **Session:** Semester 2 **Classes:** 4 hrs/wk **Prerequisites:** EDSE3041 Teaching Geography 1 plus 12 intermediate credit points of geography **Assessment:** There will be three assessment tasks. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study consists of HSIE Core 2 (2 hrs/wk) and Geography (2 hrs/wk). The HSIE Core will develop students' skills in applying cross curriculum content and perspectives, especially civics and citizenship education, literacy and numeracy and multiculturalism to the development of learning strategies and resources. This unit of study provides opportunities for students to achieve outcomes in understanding the curriculum design of Geography education, designing and delivering a range of teaching strategies, evaluating and developing teaching resources and assessing students' achievement in Geography. ICT will be emphasised throughout.

### EDSE3060

#### Teaching Drama 2

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Anderson **Session:** Semester 2 **Classes:** 4 hrs/week for 9 wks (36 hrs) **Prerequisites:** EDSE3042 plus 12 senior credit points of Performance Studies **Assessment:** Assessment is based on an essay on drama learning pedagogies (3000 words) and a 20 minute seminar presentation and accompanying paper relating to a Higher School Certificate topic area in drama. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit continues the preparation for teaching Drama 7-12, with a focus on Stage 6, Higher School Certificate Drama. Students examine the issues relating to individual project work and the collaborative aspects of the drama syllabuses. This unit also explores issues related to assessment and programming of drama as well as exploring quality teaching in drama education. Students will deepen their understanding

of the cognitive/affective development which the study of Drama anticipates, and further develop their own personal style of teaching.

### EDSE3061

#### Teaching TESOL 2

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Ms Theodora Lafkas **Session:** Semester 2 **Classes:** 4 hrs/wk (36 hrs) **Prerequisites:** EDSE3043 Teaching TESOL 1 plus 12 Senior credit points of either Linguistics, English or Languages **Assessment:** 3 assessments and grammar test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

Literacy is a key area in the learning of English as a second language. For students without a high level of literacy in the first language this can be a daunting process. There is strong evidence to suggest common underlying proficiencies in literacy between languages. Thus, the focus this semester will be on the development of literacy and teachers' knowledge of English grammar in order to help them assess students' spoken and written language and to plan appropriate teaching programs.

### EDSE3062

#### Teaching English 2

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Jacqueline Manuel **Session:** Semester 2 **Classes:** 4 hours/week (36 hours) **Prerequisites:** EDSE3044 plus 12 senior credit points of English **Assessment:** Assessment will take the form of: (1) a unit of work to be taught to a nominated class level (2000 words); (2) a piece of work relating to either Adolescent Fiction or Senior English (3000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This course will extend the study of the junior secondary English syllabus begun in Teaching English 1. It will in addition offer an in-depth study of approaches to teaching Adolescent Fiction, Years 7 -10. The other major strand of this unit will focus on a thorough examination of the Senior English, Stage 6 syllabus for years 11-12.

### EDSE3063

#### Teaching Mathematics 2A

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 2 **Classes:** 3 hours/week (27 hours) **Prerequisites:** EDSE3045 plus 12 credit points of intermediate mathematics or statistics **Assessment:** 1. Planning three technology lessons (2000 words); 2. Planning a unit of work from either the Data, Measurement, or Space and Geometry strands of the Mathematics Years 7-10 Syllabus and designing appropriate assessment approaches (4000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study focuses on the learning and teaching of Data, Measurement, Space and Geometry in Years 7-10. The nature of geometric proof is explored in detail and the teaching of this notion based on recent research is examined. The place of appropriate technology in the teaching and learning of secondary mathematics is examined. Assessment approaches are explored including formal and informal strategies.

### EDSE3064

#### Teaching Mathematics 2B

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 2 **Classes:** 3 hours/week (27 hours) **Prerequisites:** EDSE3045, EDSE3046 and 12 credit points of intermediate mathematics or statistics **Corequisites:** EDSE3063 **Assessment:** Assessment: 1. Presenting a teaching and learning activity for either Data, Measurement or Space and Geometry (2500 wds). 2. Researching and reviewing appropriate websites for teaching and learning a particular area of mathematics (1000 words). 3. Assessing a student with special learning needs, designing appropriate learning tasks for the student (3500

words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

Assessment strategies for these children are examined closely as part of the learning experience, together with Department of Education and Training policy for measuring and recording formative assessment tasks.

### EDSE3065

#### Teaching Languages 2A

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 2 **Classes:** 3 hours/week for 8 weeks **Prerequisites:** EDSE3047 and 12 senior credit points of languages **Assessment:** Assessment will be based on three assignments: Stage 6 assessment task; design/make/appraise a language teaching resource; portfolio. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit is designed to build on curriculum unit Teaching Languages 1A and on understandings developed during the first school experience practicum session. With their deepening knowledge of the theory and the practices of the languages other than English classroom, pre-service languages teachers will investigate issues in languages curriculum design and development. Students continue on their "journey" of reflection on knowledge and reflection on their profession. With their deepening knowledge of the theory and the practices of the languages other than English classroom, pre-service languages teachers will investigate issues in languages curriculum design and development. Students continue on their "journey" of reflection on knowledge and reflection on their profession.

### EDSE3066

#### Teaching Computer Studies 2

##### Education and Social Work

**Credit points:** 6 **Session:** Semester 2 **Classes:** 4 hours/week (36 hours) **Prerequisites:** EDSE3049 and 12 intermediate credit points of computer studies **Assessment:** Class presentations, report, research, program design. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study focuses on the teaching of both the Information Technology and Processes and Software design and Development Higher School Certificate courses. Content such as the nature of information systems, systems design, project work, transaction processing, algorithms and program code, social and ethical issues in software design, operating systems, and optional modules such as the evolution of programming languages and the software developer's view of hardware will receive extended coverage in the context of designing appropriate learning experiences. Where possible ICT will be used to exemplify concepts, practices, and approaches in the computer classroom.

### EDSE3067

#### Teaching Commerce/Economics 2

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Ms Kate Keeley **Session:** Semester 2 **Classes:** 4 hrs/wk **Prerequisites:** EDSE3050 Teaching Commerce/Economics 1 and 12 intermediate credit points of economics or political economy **Assessment:** There will be three assessment tasks. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study consists of HSIE Core 2 (2 hrs/wk) and Commerce/Economics/Business Studies (2 hrs/wk). The HSIE Core will develop students' skills in applying cross curriculum content and perspectives especially civics and citizenship education, literacy and

numeracy and multiculturalism to the development of learning strategies and resources. This unit of study provides opportunities for students to achieve outcomes in understanding the curriculum design of commercial education, designing and delivering a range of teaching strategies, evaluating and developing teaching resources and assessing students' achievement in Commerce, Economics and Business Studies. ICT will be emphasised throughout.

### EDSE3068

#### Teaching Science 2 (Core)

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Mr Tony Sperring **Session:** Semester 2 **Classes:** 4 hours/week (36 hours) **Prerequisites:** EDSE3051 Teaching Science 1 (Core) and 12 intermediate credit points of science **Assessment:** Assessment will be based on one assignment, a group seminar presentation and a professional portfolio. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study builds upon the work done in the prerequisite course Teaching Science 1 (Core). The unit is designed to develop students' understandings of: i. the nature of science teaching and children's learning of science, in the context of contemporary research and classroom practices, ii. the planning of science teaching and learning activities, in individual lessons and units of work, iii. the interpretation and implementation of syllabus aims, objectives, outcomes and content guidelines as well as school and system policies and regulations, iv. the integration of individual science disciplines within a multidisciplinary science curriculum.

### EDSE3071

#### Teaching Languages 2B

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 2 **Classes:** 1 hour per week plus guided reading tasks **Prerequisites:** EDSE3047 and EDSE3048 and 12 senior credit points of languages **Corequisites:** EDSE3065 **Assessment:** Assessment will be based on three tasks: senior assessment task, portfolio and reflection notes after interview with Stage 4 language learner. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit is designed for pre-service language teachers continuing with their curriculum method study in a second target language. The unit will continue to build pre-service language teachers' awareness, skills and understandings in languages education. Given the opportunity to spend more time on task through online guided readings, pre-service language teachers will develop understandings about languages policy and planning and how it links to school implementation of languages programs and particular aspects of policy.

### EDSE3072

#### Craft Knowledge and Prof Practices 2

##### Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Llian Merritt **Session:** Semester 2 **Classes:** 3 hrs/wk for 9 wks **Prerequisites:** 72 credit points including 24 credit points of Education, EDSE2001 and two of the following: EDSE3037, EDSE3038, EDSE3040, EDSE3041, EDSE3042, EDSE3043, EDSE3044, EDSE3045, EDSE3046, EDSE3047, EDSE3048, EDSE3049, EDSE3050, EDSE3051, EDBT5610. **Assessment:** Three assessment tasks including web-based discussion 1000 words (30%), essay 2000 words (40%) and report 1500 words (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program.

This unit of study builds on the knowledge, understandings, skills and attitudes explored and developed in Craft Knowledge and Professional Practice 1. This unit of study addresses issues and challenges facing schools in relation to access, equity and diversity and how these can be addressed through policy and practice. Through reflection students

are able to examine and interpret their beliefs about students, teachers, learning, teaching, schools and knowledge. Craft knowledge and professional practice is developed and refined as students use their own knowledge and experiences in professional conversations with peers and lecturers to critically analyse their own practice in conjunction with theory and research.

### EDSE3073

#### Professional Experience A

##### Education and Social Work

**Credit points:** 2 **Teacher/Coordinator:** Dr Di Bloomfield **Session:** Semester 2 **Classes:** 20 days in school experience **Prerequisites:** 72 credit points including 24 credit points of Education, EDSE2001 and two of the following: EDSE3037, EDSE3038, EDSE3040, EDSE3041, EDSE3042, EDSE3043, EDSE3044, EDSE3045, EDSE3046, EDSE3047, EDSE3048, EDSE3049, EDSE3050, EDSE3051, EDBT5610 **Assessment:** Satisfies Requirements/Fail **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program.

Professional Experience is a core part of the professional preparation of teachers. It provides students with opportunities to develop their teaching skills and professional understandings. It is a pivotal opportunity for beginning teachers to experiment and to implement a wide range of strategies and pedagogy that they have acquired during their university-based courses. This unit of study provides students with the opportunity to undertake a range of professional experiences in secondary schools, enabling them to explore, enact and reflect upon the links between the theory and practice of their chosen profession.

### EDSE4021

#### Teaching Visual Arts 3A

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 1a **Classes:** 4 hrs/wk (36 hrs) **Prerequisites:** EDSE3037 and EDSE3056 **Corequisites:** EDSE4042, EDSE4043 and EDSE4044 **Assessment:** Visual Art body of work; VAPD; Contextualizing the body of work in the classroom (1000 wd) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit aims to introduce art education issues and perspectives and develop skills in teaching the broad areas of Visual Arts in Stage 6. This unit will focus on the development and documentation of the processes involved in creating a Body of Work. Through this process the students will further extend their capacity to engage senior high school students using creative processes, in order that they are able to support them in developing their Body of Work and prepare them for the written examination.

### EDSE4022

#### Teaching Visual Arts 3B

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 1a **Classes:** 4 hrs/wk **Prerequisites:** EDSE3037, EDSE3038, EDSE3056, EDSE3057 and Practical art course taken at The Tin Sheds. **Corequisites:** EDSE4021, EDSE4042, EDSE4043, EDSE4044 and Advanced practical art course taken at The Tin Sheds. **Assessment:** Individual program of learning for Stage 6; Student-teacher reflective learning (2000 wd) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit aims to explore further issues and perspectives and develop skills in teaching the broad areas of Visual Arts with emphasis placed on continuum of assessment for learning in the visual arts in Stage 6. In particular, the focus will be on assessment for learning within the context of Mixed Media. In addition the students are to maintain a reflective diary documenting and critically analyzing and evaluating their learning during their Professional Experiences placement.



**EDSE4023****Teaching History 3****Education and Social Work**

**Credit points:** 6 **Teacher/Coordinator:** Carmel Fahey, Dr Tim Allender  
**Session:** Semester 1a **Classes:** 4 hours/week **Prerequisites:** EDSE3040 and EDSE3058 **Corequisites:** EDSE4042, EDSE4043 and EDSE4044  
**Assessment:** Assessment will be based on a class presentation, planning unit outlines and the mapping of appropriate teaching and assessment strategies  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit aims to equip students to teach the skills and understandings underpinning Board of Studies Stage 6 history syllabuses. The unit also explores the realities of teaching students at this level, and the various ways in which higher-order skills may be developed in response to the demands of the Extension History Syllabus.

**EDSE4024****Teaching Geography 3****Education and Social Work**

**Credit points:** 6 **Teacher/Coordinator:** Ms Kate Keeley **Session:** Semester 1a **Classes:** 4 hrs/wk **Prerequisites:** EDSE3041 Teaching Geography 1 & EDSE3059 Teaching Geography 2 **Corequisites:** EDSE4042, EDSE4043 and EDSE4044 **Assessment:** There will be three assessment tasks. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study consists of HSIE Core 3 (2 hrs/wk) and Geography (2 hrs/wk). In HSIE 3 students will gain an understanding of the requirements of the HSC. The HSIE Core will focus on teaching strategies, resourcing and assessment in the Preliminary and HSC years. This unit of study provides opportunities for students to achieve outcomes in understanding Geography for the HSC and designing and delivering a range of teaching strategies, evaluating and developing teaching resources and assessing student achievement of the outcomes of these syllabuses. ICT will be emphasised throughout.

**EDSE4025****Teaching Drama 3****Education and Social Work**

**Credit points:** 6 **Teacher/Coordinator:** Dr M Anderson **Session:** Semester 1a **Classes:** 4 hrs/wk **Prerequisites:** EDSE3042 and EDSE3060 plus 12 credit pts of Performance Studies **Corequisites:** EDSE4042, EDSE4043 and EDSE4044 **Assessment:** Assessment is based on the preparation and analysis of their own performance in a public venue and on research based on teaching of an individual project area related to the NSW HSC drama course. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit continues preparing students for the teaching of secondary Drama. The course seeks to extend the students' experience in performing. Students work with critical friends and mentors, collaborating with schools and other educational institutions, critically reflecting on their own and other people's work. Students undergo a group performance project where they learn of the rigorous nature of collaborative drama experientially.

**EDSE4026****Teaching TESOL 3****Education and Social Work**

**Credit points:** 6 **Teacher/Coordinator:** Ms Theodora Laskas **Session:** Semester 1a **Classes:** 14 x 2 hr sem/workshops **Prerequisites:** EDSE3043 and EDSE3061 **Corequisites:** EDSE4042, EDSE4043 and EDSE4044 **Assessment:** 2 assessments and bookclub presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

The role of the ESOL teacher has become increasingly complex. Graduates may be working with adults or with teenagers in Australia or overseas and across disciplines or curricula. Traditional career pathways no longer exist as teachers are expected to have the flexibility and knowledge base to adapt to a wide variety of contexts. They need an understanding of students' cultural backgrounds and skills in intercultural communication.

**EDSE4027****Teaching English 3****Education and Social Work**

**Credit points:** 6 **Teacher/Coordinator:** Dr Jacqueline Manuel **Session:** Semester 1a **Classes:** 4 hours/week **Prerequisites:** EDSE3044 and EDSE3062 **Corequisites:** EDSE4042, EDSE4043 and EDSE4044 **Assessment:** (1) A piece of work that draws together the theory and practice of teaching English; (2) A practical task requiring the implementation of knowledge and understanding of the Stage 4-5 and Stage 6 syllabus documents. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit will focus intensively on teaching literature, media and other texts in Years 7-12. It will further explore the theory and pedagogy of teaching Stage 6 English. It will also examine the issues relevant to teaching adolescents who may be experiencing difficulties with the reading and wider literacy demands of the curriculum.

**EDSE4028****Teaching Mathematics 3A****Education and Social Work**

**Credit points:** 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 1a **Classes:** 3 hours/week **Prerequisites:** EDSE3045 and EDSE3063 **Corequisites:** EDSE4042, EDSE4043 and EDSE4044 **Assessment:** 1. Researching and presenting a particular aspect of research in mathematics education that relates to the teaching of General Mathematics for HSC (2500 wds); 2. Researching and writing a paper (3500 wds) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit concentrates on the new General Mathematics course which attracts half of the students in Years 11 and 12 and was first examined in the 2001 HSC. The pedagogy for this unit requires teachers to be confident in using graphic calculators and spreadsheets where required. Outcomes Based Assessment is examined in relation to its use in the new HSC. Particular aspects of mathematics education research are explored, including introducing calculus, and the implications of these for teachers in classrooms is considered.

**EDSE4029****Teaching Mathematics 3B****Education and Social Work**

**Credit points:** 6 **Teacher/Coordinator:** Dr Judy Anderson **Session:** Semester 1a **Classes:** 3 hrs/wk **Prerequisites:** EDSE3045, EDSE3046, EDSE3063 and EDSE3064 **Corequisites:** EDSE4028, EDSE4042, EDSE4043 and EDSE4044 **Assessment:** 1. Researching & presenting a topic from a calculus based course that includes teaching ideas (2500 wds). 2. Interviewing students & teachers and writing a brief report on the findings in relation to the literature (3500 wds). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study focuses on the role of the mathematics teacher in the senior classroom. It is intended to provide the student with techniques for constructing rich learning environments for students in the senior years of high school in preparation for the HSC. Assessment strategies are examined closely as part of the learning experience of students, together with Board of Studies requirements for measuring and recording formative assessment tasks. Technology as a tool for teaching senior mathematics is integrated into the unit.

**EDSE4030****Teaching Languages 3A**



## Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 1a **Classes:** 3 hours/week **Prerequisites:** EDSE3047 and EDSE3065 **Corequisites:** EDSE4042, EDSE4043 and EDSE4044 **Assessment:** Assessment will be a unit of work programme, a set of short answer research questions and a portfolio. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit is designed to build on curriculum unit EDSE3065 Teaching Languages 2A, to prepare pre-service teachers for, and guide them through, School Experience 2, in preparation for later Internships. Students examine wider related issues for languages education, honing skills, understandings and competencies for future employment and preparing for lifelong learning through continued participation in professional development activities. Students continue on their "journey" of reflection on languages education and prepare for a lifelong professional development in languages education.

## EDSE4031

### Teaching Languages 3B

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 1a **Classes:** 1 hour/week plus guided reading tasks **Prerequisites:** EDSE3047, EDSE3048, EDSE3065 and EDSE3071 **Corequisites:** EDSE4030, EDSE4042, EDSE4043 and EDSE4044 **Assessment:** Assessment will be a unit of work programme, a set of reflections posted on group e-mail and a portfolio. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit is designed for pre-service language teachers continuing with their curriculum method study in a second target language. The unit will continue to build pre-service language teachers' awareness, skills and understandings in languages education, and introduce them to various aspects of research within the languages education arena.

## EDSE4032

### Teaching Computer Studies 3

#### Education and Social Work

**Credit points:** 6 **Session:** Semester 1a **Classes:** 4 hours/week **Prerequisites:** EDSE3049 Teaching Computer Studies 1 and EDSE3066 Teaching Computer Studies 2 **Corequisites:** EDSE4042, EDSE4043 and EDSE4044 **Assessment:** Class presentations, report, examinations, research, program design. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

The Information Technology Curriculum Framework, National Training Framework, and AQF certification procedures will be critically examined in the context of VET -Information Technology courses in schools. The notion of key competencies and criterion referenced evaluation and assessment will receive detailed attention. Sources of information including professional associations will be delineated and the nature and scope of the ICT industry will also be explored. The second major focus lies in developing skills in the design of learning environments for the VET classroom. Significant time will be given to developing team or group based approaches to learning, the workplace study, workplace assessor training, writing effective and efficient programs and units of study, and developing valid and reliable assessment tasks based on the assessment guidelines in the National Information Training Package.

## EDSE4033

### Teaching Commerce/Economics 3

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Ms Kate Keeley **Session:** Semester 1a **Classes:** 4 hrs/wk **Prerequisites:** EDSE3050 and EDSE3067 **Corequisites:** EDSE4042, EDSE4043 and EDSE4044 **Assessment:** There will be three assessment tasks. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study consists of HSIE Core 3 (2 hrs/wk) and Economics/Business Studies (2 hrs/wk). In HSIE 3 students will gain an understanding of the requirements of the HSC. The HSIE Core will focus on teaching strategies, resourcing and assessment in the Preliminary and HSC years. This unit of study provides opportunities for students to achieve outcomes in understanding Economics and Business Studies for the HSC and designing and delivering a range of teaching strategies, evaluating and developing teaching resources and assessing student achievement of the outcomes of these syllabuses. ICT will be emphasised throughout.

## EDSE4034

### Teaching Science 3 (Core)

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 1a **Classes:** 4 hours/week **Prerequisites:** EDSE3051 and EDSE3068 **Corequisites:** EDSE4042, EDSE4043 and EDSE4044 **Assessment:** Assessment will be based on an essay and a class presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B Sc (Psych), UG Study Abroad Program.

The unit is designed to enable students to investigate current research in the nature of children's learning in science, contemporary science curricula, the teaching of science in the secondary school, and the relevance and impact of across-curriculum perspectives on the nature and implementation of science curricula. Each student is to investigate and report on a particular issue in science education, teaching and learning.

## EDSE4035

### Teaching Science 4 (Sci Hist & Phil)

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Tony Sperring **Session:** Semester 1 **Classes:** 4 hours/week **Prerequisites:** EDSE3051 and EDSE3068 **Corequisites:** EDSE4042, EDSE4043 and EDSE4044 **Assessment:** Assessment will be based on an essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study is a double method course unit. An understanding of the nature of science ought to inform beliefs, practices and policies related to science and technology education in school (and beyond). Teachers of science need to develop an awareness of the pitfalls associated with uninformed views about the history and philosophy of science, particularly as they are now required to focus on both the history of science and the nature and practice of science in the development of teaching programs for the new school science syllabuses in NSW and in other systems' syllabuses. In this unit of study students will examine contemporary from the history, philosophy and sociology of science and their relevance to school science teaching and learning, and science curriculum design and implementation.

## EDSE4041

### Teaching Science Elective (Physics)

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Ms Alex Hugman **Session:** Semester 1 **Classes:** 4 hours/week **Prerequisites:** 54 credit points including 24 credit points of Education and EDSE2001 and 12 credit points of Physics **Assessment:** Assessment will be based on two assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program.

This unit of study is a double method Science elective which complements the common ("core") Science Curriculum courses, Science Curriculum 1 (Core) and Science Curriculum 2 (Core), taken

by all science Education students in the third year of the combined degree program. In this course unit, students study issues in the teaching and learning of Stage 6 Physics.

#### EDSE4042

##### Craft Knowledge and Prof Practices 3 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Llian Merritt **Session:** Semester 1 **Classes:** 5 hrs/wk for 6 wks and 2 three hr workshops (36 hrs) **Prerequisites:** 108 credit points including 30 credit points of Education, EDSE3073, EDSE2001, EDSE3072 and two of the following EDSE3056, EDSE3057, EDSE3058, EDSE3059, EDSE3060, EDSE3061, EDSE3062, EDSE3063, EDSE3064, EDSE3065, EDSE3071, EDSE3066, EDSE3067, EDSE3068, EDBT5660 **Assessment:** 1. Web-based discussion, 2. Essay: 2000 wds, 3. Evidence-based teaching and journal writing: 2500 wds. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, UG Study Abroad Program.

This unit of study focuses on practice, theory and research for beginning teachers in classrooms, schools and the wider educational community in relationship with the standards of teaching and the importance of evidence-based teaching for individual and collective change and improvement. This unit of study is integrated with professional experience and explores issues, dilemmas and challenges for beginning teachers through journal writing and web-based writing and discussion.

#### EDSE4043

##### Professional Experience B Education and Social Work

**Credit points:** 2 **Teacher/Coordinator:** Dr Di Bloomfield **Session:** Semester 1 **Classes:** 25 days in-school experience **Prerequisites:** 108 credit points including 30 credit points of Education, EDSE2001, EDSE3072, EDSE3073 and two of the following: EDSE3056, EDSE3057, EDSE3058, EDSE3059, EDSE3060, EDSE3061, EDSE3062, EDSE3063, EDSE3064, EDSE3065, EDSE3071, EDSE3066, EDSE3067, EDSE3068, EDBT5660 **Corequisites:** EDSE4042 and EDSE4044 **Assessment:** Satisfies Requirements / Fail **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, UG Study Abroad Program.

This unit of study provides students with the opportunity to undertake a range of professional experiences in secondary schools, enabling them to explore, enact and reflect upon the links between the theory and practice of their chosen profession. This unit of study is the second school experience in the program, and the final fully supervised practicum before the Internship. In this unit of study, students have a more extended period of time in a school and begin to assume a greater awareness of the diversity of students in their classes. They will be expected to be more aware of the community beyond the school.

#### EDSE4044

##### Information Technology in Schools Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Ms Vilma Fyfe **Session:** Semester 2 **Classes:** 20 hours: 2 hours per week over 10 weeks **Prerequisites:** 108 credit points including 30 credit points of Education, EDSE2001, EDSE3072 and two of EDSE4021, EDSE4022, EDSE4023, EDSE4024, EDSE4025, EDSE4026, EDSE4027, EDSE4028, EDSE4029, EDSE4031, EDSE4032, EDSE4033, EDSE4034, EDSE4035, EDSE4041 and EDBT6610 **Corequisites:** EDSE4042, EDSE4043 **Prohibitions:** EDSE4038 **Assessment:** Assessment will be based on: the creation of a data base and associated activities; creation of a web site; and creation of a PowerPoint presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, UG Study Abroad Program.

The unit will provide students with a conceptual ICT framework based on national and international standards used in accreditation of initial programs for Teacher Education.

The unit focuses on the instructional designer's task involving analysis of needs, use of ICT, and production, implementation and evaluation of classroom resources.

#### EDSE5001

##### TESOL as a Third Teaching Area Education and Social Work

**Credit points:** 12 **Session:** Semester 1 **Classes:** 6 hrs/wk **Prerequisites:** 144 credit points including 78 credit points of Education and 24 credit points of English, Linguistics or a Language other than English **Corequisites:** EDSE5008 and EDSE5009 **Assessment:** 2 presentations; observation report; design of teaching materials; grammar test. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, UG Study Abroad Program.

This unit of study aims to develop students' understanding of second language acquisition research and its implications for the teaching and learning of second language learners. The unit will link fieldwork with an exploration of current language education research. The unit has relevance for teaching in Australia and overseas and focuses on the development of communicative competence. The unit is closely connected with EDSE5009 TESOL Professional Experience.

#### EDSE5008

##### Internship Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Di Bloomfield and Dr Tony Loughland **Session:** Semester 1 **Classes:** 30 days in school experience/18 to 20 periods/week **Prerequisites:** 144 credit points including 78 of Education and (EDSE3055 or EDSE3073) and (EDSE4040 or EDSE4043) **Assessment:** Assessment is based on a satisfactory report from the supervising school and the tertiary mentor (Satisfies requirements/Fail) **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, UG Study Abroad Program.

This final Internship is a bridge between the ending of preservice professional preparation and the first year of teaching. Under the guidance of the Mentor, Internees (Associate Teachers) will gain knowledge and experience of all facets of the role of the teacher in the school and prepare themselves as thoroughly as possible for their first year of teaching. The exact nature of the Internship for each Associate Teacher will be negotiated with the school at the time of the application to the school for Internship and subsequent interview by members of school staff.

#### EDSE5009

##### TESOL Professional Experience Education and Social Work

**Credit points:** 6 **Session:** Semester 1 **Classes:** 12 days in school experience **Prerequisites:** 144 credit points including 78 credit points of Education and 24 Credit Points from English, Linguistics and/or a Language other than English **Corequisites:** EDSE5001 and EDSE5008 **Assessment:** Students will be assessed as satisfactory or unsatisfactory in meeting the requirements of the Practicum. The criteria will include a consideration of planning based on clear principles and a sound grasp of relevant content; preparation taking into account the demands of the syllabus and the nature of the students. **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, UG Study Abroad Program.

This unit of study will link fieldwork in schools and intensive language centres with an exploration of current language education research. Students will develop skills in linking their assessment of the abilities and needs of teenage and adult learners of English with programming. This unit aims to develop students' professional understanding and expertise as second language educators. It has relevance for teaching in Australia and overseas and focuses on the development of communicative competence.

#### EDSE5010

##### Meeting the Needs of Cultural Diversity Education and Social Work

**Credit points:** 12 **Teacher/Coordinator:** Ms Kate Keeley **Session:** Semester 1 **Classes:** 12 hrs/wk **Prerequisites:** 144 credit points including 78 credit points of Education **Corequisites:** EDBT5000 and EDSE5008 **Assessment:** There will be three assessment tasks. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec: Maths), B Sc, B Ed (Sec: Science), B Sc, UG Study Abroad Program.

This unit of study will focus on a range of culturally specific teaching and learning strategies aimed at increasing the ability of students to engage and motivate school students from diverse cultures, including Aboriginal culture. The course will involve exploring some of the major issues confronting teachers, schools, communities and involve interaction with appropriate communities as a precursor to working with school students in a range of culturally appropriate settings. The course will involve working with resource staff from the Faculty's partnership regions and schools.

### EDSP3001

#### Teaching Practicum 1

##### Education and Social Work

**Credit points:** 2 **Teacher/Coordinator:** Dr Di Bloomfield **Session:** Semester 2 **Classes:** 10 days in school experience **Prerequisites:** 48 credit points including 18 credit points of Education and EDSP3002 **Assessment:** Evaluation will be through completion of a satisfactory report. **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed, B A (Psych), B Ed, B Sc (Psych).

This unit will include a range of professional experiences in schools and other learning contexts - e.g. observing, acting as a teacher's aide, teaching in a classroom and participating in wider school and community activities.

### EDSP4001

#### Psychological and Educational Assessment

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 1 **Classes:** 1 lecture 1.5 hours for 12 weeks; 1 skills based workshop tutorial 1.5 hours for 12 weeks **Prerequisites:** Completed major in Psychology with a Credit average in each of Intermediate and Senior Psychology units; EDSP2001, EDSP3002. **Assessment:** Two protocols and reports (40%); Summative exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed, B A (Psych), B Ed, B Sc (Psych).

This unit introduces the student to the principles of assessing children and the topic of intelligence. Various models of intelligence are studied within an historical framework, including the development of instruments for measuring intelligence. The relationship between models of intelligence and cognitive assessment techniques is discussed, with particular emphasis placed on the critical evaluation of commonly used individually administered intelligence tests. The difference between testing and assessment is discussed, and the multiplicity of factors contributing to successful assessment is emphasised. The principles of standardised testing and the application of competent, ethical, professional use of intelligence tests are taught using current tools such as the Woodcock Johnson Cognitive Test (3rd edition), Wechsler Scales and the Stanford Binet (5th Edition). The psychometric properties of tests are examined. The appropriateness of the assessment of specific groups such as young, developmentally young and culturally different children is critically evaluated. Supervised practice of key tests of intelligence is organised in small group workshop sessions. Competency is expected in the administration and scoring of key IQ tests and in the writing of assessable reports.

### EDSP4002

#### Behaviour Assessment and Interventions

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 2 **Classes:** 1 lecture 1.5 hours for 12 weeks; 1 skills based workshop tutorial 1.5 hours for 12 weeks **Prerequisites:** Completed major in Psychology with a credit average in each of Intermediate & Senior Psychology units; EDSP2001, EDSP4001. **Assessment:** Seminar presentation and paper (60%); Case study (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed, B A (Psych), B Ed, B Sc (Psych).

The assessment of behaviour problems, both externalising and internalising, is introduced as it applies to children and young people

in educational and home settings. Links between the theories, description and classification of problem behaviour and DET practice in NSW will be highlighted. Appropriate strategies for the assessment of behaviour and mental health problems, programming for behaviour management and mental health support strategies, and the evaluation of intervention programs are discussed as they apply to the educational and other environments in which School Counsellors work. Alternative settings for individuals with behaviour and mental health difficulties are studied and critically evaluated.

### EDSP4003

#### Counselling Practicum 2

##### Education and Social Work

**Credit points:** 2 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 2 **Classes:** 20 days school counselling experience in schools. **Prerequisites:** Completed major in Psychology with a Credit average in each of Intermediate and Senior Psychology units; EDSP2001. **Corequisites:** EDSP4004 **Assessment:** Students will continue to develop a counselling portfolio covering final performance outcomes due at the end of the five years of study. Assessment of the outcomes will be based upon specified criteria for each outcome. The grading will be on a Satisfactory or Unsatisfactory basis. **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B Ed, B A (Psych), B Ed, B Sc (Psych).

The counselling practicums are sequenced to allow students the opportunity to learn about the profession of school counselling from the beginning of the training program. Counselling Practicum 2 focuses on the application of assessment skills including test administration, report writing, and completion of a behaviour oriented case study.

### EDSP4004

#### Teaching Practicum 2

##### Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Di Bloomfield **Session:** Semester 2 **Classes:** 10 days in school experience **Prerequisites:** 48 credit points including 18 credit points of Education, EDSP3001, EDSP3002 and one of the following: EDSE4021, 4023, 4025, 4026, 4027, 4028, 4030, 4034 **Corequisites:** EDSP4003 Counselling Practicum 2 **Assessment:** Pass/Fail **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B Ed, B A (Psych), B Ed, B Sc (Psych).

Professional experience is a core part of the professional preparation of teachers. It provides students with opportunities to develop their teaching skills and professional understandings. It is a pivotal opportunity for beginning teachers to experiment and to implement a wide range of strategies and pedagogy that they have acquired during their university-based courses. This unit of study provides students with the opportunity to undertake a range of professional experiences in secondary schools, enabling them to explore, enact and reflect upon the links between the theory and practice of their chosen profession. This unit of study is the second school experience in the program. In this unit of study, students have a more in depth period of time in a school, and begin to assume a greater awareness of the diversity of students in their classes. They will be expected to be more aware of the community beyond the school.

### EDSP5001

#### Counselling Children and Adolescents

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 1 **Classes:** 1 lecture 1.5 hours for 12 weeks; 1 skills based workshop tutorial 1.5 hours for 12 weeks **Prerequisites:** Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; 50 credit points of Education **Assessment:** Case Study Value: 50%; 2500 words Pamphlet and resource folder Value: 50% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study is designed to introduce the students to issues and concepts related to counselling children and adolescents within the school setting. Key counselling skills and specific therapeutic strategies are introduced. The focus will be on accurate assessment of the concerns and the development of intervention plans appropriate for the educational environment.

## EDSP5002

### Issues in School Counselling Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 2 **Classes:** 1 lecture 1.5 hours for 12 weeks; 1 skills based workshop tutorial 1.5 hours for 9 weeks **Prerequisites:** Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; 50 credit points of Education. **Assessment:** 1. Plan for Leading a Workshop on a topic related to school counselling, including the preparation of an exercise with experiential focus and a summary handout on the selected topic (50%); 2. EITHER (a) Test Review brief presentation and summary paper (1000-1500 wds plus summary)(35%) plus provide 6 hrs of assistance to the PsychoEducational Resources Centre (15%) OR (B) major case study (2000-2500 wds) focussed on a child or adolescent with academic difficulties (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

This unit of study focuses on ethical and professional skills for school counselling and provides an overview of the key issues for school counsellors working in primary school settings, specifically literacy and language research assessments and interventions.

## EDSP5003

### Counselling Practicum 3 Education and Social Work

**Credit points:** 2 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 1 **Classes:** 10 days school counselling experience in NSW DET schools, typically as one day per week attendance, but may include a five day period as a block of country/rural practicum. **Prerequisites:** Completed major in Psychology with a credit average in each of Intermediate and Senior Psychology units; 50 credit points of Education **Assessment:** Students will have developed a school counselling portfolio covering final performance outcomes due at the end of the five years of study. Assessment of the outcomes will be based upon specified criteria for each outcome. The final overall grading will be on a Satisfactory or Unsatisfactory basis, including ratings from the field supervising counsellor and a university supervising counsellor, and the satisfactory completion of a logbook and portfolio items covering the final outcomes listed in Practicum 4. **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

The counselling practicums are sequenced to allow students the opportunity to learn about the profession of school counselling from the beginning of the training program. Counselling Practicum 3 focuses on working as a school counsellor under supervision of university staff and school counsellors. The role of the school counsellor includes counselling children and adolescents with problems, assessing children and adolescents with problems, and developing intervention programs for those with learning and behaviour challenges, liaising with teachers to enhance the classroom learning environment, and developing preventative programs for students at risk. This practicum will include a counselling/therapeutic case study.

## EDSP5004

### Counselling Practicum 4 Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Susan Colmar **Session:** Semester 2 **Classes:** 10 days school counselling experience in NSW DET schools, typically as one day per week attendance. **Prerequisites:** Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; 50 credit points of Education. **Assessment:** Students will have developed a school counselling portfolio covering final performance outcomes, fully specified in documentation provided to each student and supervisor, due at the end of the five years of study. Assessment of the outcomes will be based upon specified criteria for each outcome. This practicum is four credit points as it will include a final and full write-up incorporating all four Counselling Practicums in the form of a portfolio, in terms of achievement of final outcomes as specified. The final overall grading will be on a Satisfactory or Unsatisfactory basis, including ratings from the field supervising counsellor and a university supervising counsellor, and the satisfactory completion of a logbook and portfolio items covering the final outcomes listed in Practicum 4. **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B Ed, B A (Psych), B Ed, B Sc (Psych), UG Study Abroad Program.

The counselling practicums are sequenced to allow students the opportunity to learn about the profession of school counselling from the beginning of the training program. Counselling Practicum 4 focuses

particularly on professional and ethical issues in working as a school counsellor, under supervision of university staff and school counsellors. The role of the school counsellor includes counselling children and adolescents with problems, assessing children and adolescents with problems, and developing intervention programs for those with learning and behaviour challenges, liaising with teachers to enhance the classroom learning environment, and developing preventative programs for students at risk. This practicum will include a case study, focussed on establishing an intervention program for a child experiencing academic difficulties.

## EDUF1016

### Science Foundations 1 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Armstrong Osborne **Session:** Semester 1 **Classes:** Consists of an introductory week followed by two 4 week modules, one on Living Things and the other on Matter. Each module consists of two 1 hour lectures and a 2 hour workshop session per week. An all day (6 hour) compulsory field activity will be held o **Assessment:** Assessment will be based upon assignments, practical work, and field work (40%) and a semester examination (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

Science Foundations 1 is a unit of study for all students enrolled in the Bachelor of Education Primary. The unit of study will provide students with a background in science and children's understanding of scientific concepts relating to biology and chemistry, relevant to their curriculum studies in K-6 Science and Technology. The coursework will consist of four hours per week, made up of lectures and workshop/seminars, an all-day field excursion and self-directed or assigned activities. The units will be taught using the staff and facilities of both the Faculty of Education and Social Work and the Faculty of Science.

#### Textbooks

Printed workshop notes are produced for the two modules in Science Foundations 1. Students should purchase Volume 1 from the University Copy Centre prior to the commencement of lectures.

## EDUF1017

### Science Foundations 2 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Armstrong Osborne **Session:** Semester 2 **Classes:** Consists of an introductory week followed by two 5-week modules, one on The Earth and its Surroundings and the other on Physical Phenomena. Each module consists of two 1 hour lectures and a 2 hour workshop session per week. An all-day (6 hour) compulsory **Assessment:** Assessment will be based upon assignments, practical work, and field work (40%) and a semester examination (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

Science Foundations 2 is a unit of study for all students enrolled in the Bachelor of Education Primary degree. The unit of study will provide students with a background in science and children's understanding of scientific concepts relating to geoscience and physics, relevant to their curriculum studies in K-6 Science and Technology. The coursework will consist of four hours per week, made up of lectures and workshops/seminars, an all-day field excursion and self-directed field or assigned activities. The units will be taught using the staff and facilities of both the Faculty of Education and Social Work and the Faculty of Science.

#### Textbooks

It is recommended that students purchase: - Skamp, P., 2004, Ed. Teaching Primary Science Constructively, Second Edition, Thomson, Southbank 534 p This text will be used for Science Education in later years. Printed workshop notes are produced for the two modules in Science Foundations 2. Students should purchase Volume 3 from the University Copy Centre prior to the commencement of lectures.

## EDUF1018

### Education, Teachers and Teaching Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Paul Ginns **Session:** Semester 1 **Classes:** Lectures : 2 hrs/wk; Seminars : 1 hr/wk; Workshops : 1 hr/wk for 8 wks **Prohibitions:** EDUF1011 **Assessment:** Seminar presentation, 2000 word

academic essay and final examination (1.5 hours). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B Sc (Psych), B Int S, B S T, UG Study Abroad Program.

This unit of study is the first part of Education I and provides a general introduction to education and teaching. The unit integrates the following themes: knowledge, culture and the curriculum; teaching as a process and way of life; and, teachers as life-long learners and researchers. Within this unit, students are also mentored by more experienced students during their first semester transition to the university. At the conclusion of the unit students should have developed and demonstrated an understanding of the complex character of teachers' work

## EDUF1019

### Human Development and Education Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Stephen Juan **Session:** Semester 2 **Classes:** Lectures: 2 hours/week for 10 weeks; Tutorials: 1 hour/week for 10 weeks; Workshops: 1 hour/week for 10 weeks **Prohibitions:** EDUF1012 **Assessment:** Seminar presentation, 2000 word essay, examination 2 hour. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B Sc (Psych), B Int S, B S T, UG Study Abroad Program.

This unit of study is the second part of Education I. EDUF1019 introduces students to contemporary understandings of human development across the life-span with particular emphasis on childhood and youth. Such understandings are essential for students who intend to work as teachers with young people. They are also of utility to other students who have an interest in human development issues. This unit addresses one of the major goals of Education I, II, and III, that is, the learning of a body of knowledge on "human development (child and adolescent in particular)". The Unit concentrates upon the phases of human development with and across the following domains: physical (including brain development, body growth, and motor development), cognitive, social, psychological, moral, aesthetic, and language development. Contemporary theory and research will be used to examine development across the phases of the life-span and within the various developmental domains. A focus will be on an introduction to issues of relevance to the understanding of human development such as the impact of history and culture upon human development, the impact of technology and social change upon the human development future, implications of recent brain research upon human development and the human development issues faced by children with special developmental/educational needs. In addition, the module Introduction to Computers in Education seeks to give students a beginning knowledge of computers and information technology relevant to their development as educational professionals. The unit also functions to give beginning teachers (1) a knowledge of and respect for the diverse social, cultural, and ethnic and religious backgrounds of students, and the effects of these factors on learning, (2) knowledge of the physical, social and intellectual developmental characteristics of the ages of students from K to year 12, (3) knowledge of students' varied approaches to learning, and (4) knowledge of how the skills, interests, and prior achievements of students affect learning.

## EDUF2006

### Educational Psychology Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Richard Walker **Session:** Semester 1 **Classes:** Lectures: 2 hours/week for 12 weeks; Tutorials: 1 hour/week for 12 weeks **Prerequisites:** (EDUF1018 and EDUF1019) or 30 junior credit points **Assessment:** Tutorial presentations (oral & written), 2000 word essay, examination 2 hours. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B Sc (Psych), B Int S, UG Study Abroad Program.

This unit of study is the first part of Education II. Its aim is to provide a general introduction to educational psychology. The important issues of the unit include constructivist and other approaches to learning, critical thinking skills, problem solving, technologically supported learning and motivation. This unit plays an important role in supporting later teaching and curriculum studies in the Bachelor of Education degree. At the end of this unit of study, students will have made substantial progress towards understanding the utility of research in psychology for educators. They will have the capacity to describe learning and teaching activities in terms of their psychological efficacy, especially as it relates to young people. Similarly they will have been introduced to the theory and practice of assessment and evaluation in educational settings, and the impact of assessment on learning and motivation. They will have had training in two Department of Education and Training policies, Good Discipline and Effective Learning, and Student Welfare.

## EDUF2007

### Social Perspectives on Education Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Associate Professor Debra Hayes **Session:** Semester 2 **Classes:** Lectures: 1 hour/week for 12 weeks; Workshops: 2 hours/week for 11 weeks **Prerequisites:** (EDUF1018 and EDUF1019) or 30 junior credit points **Assessment:** Workshop presentations, 1000 word literature review, 4000 word joint research project, examination 1.5 hours. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, B Ed, B Sc (Psych), B Int S, UG Study Abroad Program.

This unit of study is the second part of Education II. Its aim is to provide a general introduction to the social, political and economic contexts of education. The two themes studied in the Unit are: Schools and communities, and Educational systems, markets and globalisation. At the end of this unit of study, students should have the capacity to discuss the impact of a range of educational practices and policies on communities of students and families. Similarly, students will be familiar with broad movements in contemporary educational reform and their association with national and global economic change. As a result of working collaboratively on a substantial project students will develop a range of research skills. Training is provided in the following Department of Education and Training policies and procedures: Aboriginal Education, Anti-Racism and Gender Equity.

## EDUF2553

### Education Exchange Education and Social Work

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (H M H E), B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Des and Tech), B Ed, B A (Psych), B Ed, B Sc (Psych).

## EDUF3023

### Sports, Leisure and Youth Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Tim Allender **Session:** Semester 1 **Classes:** Lectures: 1 hr/ wk for 12 wks; Seminar: 2 hrs/wk for 11 wks. **Prerequisites:** 42 credit points **Assessment:** Seminar presentations, 750-1000 word tutorial paper, 2000 word essay & 1.5 hour examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ed (Soc Sc), B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program.

This unit of study deals with the role of schools and other agencies in fostering physical education and the reactive process of societal 'control' over youth, with an emphasis on theories that have emerged regarding these issues. These include how youth, sport and leisure have been socially constructed over time and how each relates to class, gender, ethnicity, sexuality, social identity and age. Also to be explored is how youth, sport and leisure have been associated with

specific educational aims and particular institutions and organisations. Post-modern approaches are incorporated such as the reconfiguration of the work/leisure dichotomy, youth as an ageless phenomenon, adolescent sexuality, the identity of the young and the role of sports sites and organizations such as the beach and surfing clubs. Students are encouraged to develop arguments and ideas through written assignments, seminars and examination. The unit is designed to encourage student-based multi-disciplinary inquiry as is consistent with the Education III rationale. It is designed also to encourage students to become more informed citizens and life-long learners.

### EDUF3026

#### Global Poverty and Education Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Professor Phillip Jones **Session:** Semester 1 **Classes:** Lectures: 1 hour/week for 12 weeks; tutorials: 2 hours/week for 12 weeks **Prerequisites:** 42 credit points. **Assessment:** One 1 hour exam, one 2500 word essay, one 1250 word workshop paper, one 750 word workshop paper. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program.

This unit of study explores relationships between education, poverty and development in the less-developed parts of the world. It acknowledges the importance of a broad-ranging view of development, including its economic, cultural and technological dimensions. The unit begins with an analysis of the impact of globalisation on poorer regions, moving to consideration of a range of theories of development and how education is viewed in them. The major part of the unit examines key issues facing educational development in poorer countries at the present time, and moves on to country and/or regional case studies, consideration of the Australian foreign aid program in education, and the role of UN agencies in educational development. Students will be assessed on the basis of: workshop participation, examination & essay. The emphasis, in all aspects of assessment, will be on demonstrating a sound understanding of the theories developed within the unit of study and applying these to the less-developed areas of the world. The use of educational research to support students' work, combined with a critical integration of all information used, is an integral component of the unit. The unit is especially designed for those who have an interest in developing countries, who may be teaching or writing about development issues, or who may be interested in careers in international and development education, whether in Australia or overseas.

### EDUF3027

#### International Education Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Nigel Bagnall **Session:** Semester 2 **Classes:** Lectures: 1 hour/week for 12 weeks; tutorials: 2 hours/week for 12 weeks **Prerequisites:** 42 credit points **Assessment:** 1 hour exam, 2500 word essay, two 1000 word workshop papers, workshop participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program.

The unit emphasis is on the underpinning global education trends of the developed world. A number of themes are dealt with in this global context, in particular youth transition, Indigenous education issues in Australia, USA and New Zealand, the emergence of international curriculum and assessment and a number of education system case studies. These case studies will include the education systems of France, Great Britain, Germany and the United States. The unit will appeal to students who are likely to work in the increasingly global world of teaching and may be involved in latter years in working in organizations such as UNESCO, the OECD or the World Bank.

### EDUF3028

#### Mentoring in Educational Contexts

### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr. Lesley Scanlon **Session:** Semester 1 **Classes:** Lectures: 1 hour/week for 10 weeks; seminars: 2 hours/week for 10 weeks **Prerequisites:** 42 credit points **Assessment:** Seminar presentation, reflective journal and participation in a first year mentor workshop or other approved mentor programme. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program.

It is increasingly difficult for young people to survive in contemporary risk societies. Particularly problematic is their successful navigation of unfamiliar communities of practice manifest as organisational structures. Subsequently, mentoring has been widely adopted internationally to support young people acquire the organisation know-how essential to organisational survive. Specifically, within an educational context mentoring as theory and practice has assumed critical importance in introducing pre-service teachers to the professional practice of teaching. This unit of study examines mentoring in schools and universities and other organisational structures. Students use a range of sociological theories and constructs in order to develop a critical understanding of mentoring as professional practice.

### EDUF3029

#### Psychology of Learning and Teaching Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Paul Ginns **Session:** Semester 2 **Classes:** Lectures: 1 hr/wk for 12 wks; tutorials: 2 hrs/wk for 12 wks **Prerequisites:** 42 credit points and EDUF2006 **Assessment:** 2000 word essay (35%), collaboratively written 2500 word tutorial paper (20%), individual oral tutorial presentation (15%), 2 hour take home exam (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program.

This unit of study examines four themes from current research on learning and teaching which have significant implications for enhancing learning outcomes in educational settings: (1) the self-system, learning and achievement; (2) collaborative learning: cognitive and motivational factors; (3) information processing and the design of instruction; and (4) learning from text, illustrations and multimedia. Each of these themes is defined by a central question (e.g. how is the self-system organised and what is its relationship to student achievement?) which is examined through several bodies of related recent research. In addition to lectures on each theme, students present the results of their collaborative self-directed research on one of the themes in a series of presentations held in the last three weeks of the unit of study. At the completion of the unit students should be able to analyse, synthesise, and draw conclusions from theory and research in each of the four themes considered, derive educational implications and applications for an educational level (e.g. primary, secondary), demonstrate the skills involved in collaborative and self-directed learning, and demonstrate competence in oral and written communication skills.

### EDUF3030

#### Australian Secondary Schooling Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Helen Proctor **Session:** Semester 1 **Classes:** Weeks 1 to 6/Lectures: 2 hrs/wk; Tutorials: 1 hr/wk. Weeks 7 to 12/Lectures: 1 hr/wk; Workshops: 2 hrs/wk **Prerequisites:** 42 credit points **Assessment:** Three reading guides (2100 wds), Essay (3000 wds), Exam (1 hr). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program.

How can we explain the ideas, practices and institutions which form the modern Australian secondary school? This unit looks for the answers in the history of the secondary school. Where did the HSC, prefects, SRCs, school uniforms, the curriculum, the private and the public school, the coed and single sex school, and the church and

public schools all come from? Understanding the history of the present enables a powerful advantage in the process of reforming secondary schools and education. The first part of the unit looks at the inheritance from Europe and North America before concentrating on Australia, and New South Wales in particular. The workshop and assignment program encourages students to work on the experience and history of particular schools in which they may be interested.

### EDUF3031

#### Positive Approaches to Special Education Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Ilektra Spandagou **Session:** Semester 1, Semester 2 **Classes:** Lectures: 1 hr/wk for 12 wks Workshop: 2 hrs/wk for 6 wks, 20 hrs fieldwork placement **Prerequisites:** 42 credit points **Assessment:** Fieldwork report (equiv.4000 wd), tutorial presentation (equiv. 650 wd), three position statements (equiv.1350 wd). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program.

This unit addresses issues relating to the education of students with special education needs. They include the impact of the philosophy and principles of inclusive education and current legislation, evidence based approaches to curriculum, teaching and learning practices for students with special education needs. A specific focus is given to managing challenging behaviours of students in a range of settings.

### EDUF3032

#### Curriculum and Evaluation Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Associate Professor Robyn Ewing and Dr Lesley Scanlon **Session:** Semester 2 **Classes:** Lectures: 1 hour/week for 12 weeks; Tutorials: 2 hours/week for 12 weeks **Prerequisites:** 42 credit points **Assessment:** Mind Map 10%, Analysis of Curriculum Document 20%, Seminar presentation 30% and related paper on a curriculum phenomenon 40%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program.

'Curriculum' can mean many things: syllabuses, curriculum documents, policies, plans for teaching by faculties and individual teachers, sets of materials and resources used as the basis for developing learning experiences for learners as well as the learning experiences themselves. In addition curriculum as process includes all of the thinking, talking and interacting between individuals and groups that are necessary to arrive at decisions that are recorded in plans and documents. Evaluation and assessment are often misunderstood concepts. Cultural, social and political influences drive decisions about who, what and how will be evaluated. Evaluation and assessment are often conflated with large scale testing regimes because they can lead to easily quantifiable results. A broader and more accurate understanding of these terms is important for all educators.

### EDUF3034

#### Australian Theatre, Film and Learning Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr John Hughes, Dr Michael Anderson **Session:** Semester 1, Semester 2 **Classes:** 10hrs lectures, 10 hrs seminars, 4 field trips **Prerequisites:** 42 credit points **Assessment:** Essay (2500 words), Film Assignment essay (2500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program.

This unit of study will examine the nature of theatre and film in Australian cultural and educational settings. A particular focus will be placed on theatre and film for and by young people, and the range of learnings that take place through young people's engagement in, and appreciation of, theatre and film. In addition, the role and nature of Australian film and theatre will be placed within an international context so that students can examine the international forces influencing Australian culture. Indigenous issues in Australian Film and Theatre

will be examined. Australian Theatre, Film and Learning will provide first hand experiences of Australian films and theatre performances through field trips to significant theatre performances and festivals, Australian school performances and the viewing of Australian films.

### EDUF3035

#### Multicultural Learning and Teaching Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 1, Summer Main **Classes:** Lectures: 2 hrs/wk for 9 weeks, Field: 3 hrs/wk for 3 weeks, Seminars: 3 hrs/wk for 3 weeks **Prerequisites:** 42 credit points **Assessment:** Critical reflective diary 40%, Seminar Presentation 60% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program, UG Summer/Winter School.

This unit provides students with a deeper understanding of the historical, cultural and sociological construction of youth in Australia today. This knowledge, as well as the changing experiences of young people, is an important foundation for today's educators. This unit will focus on the Australian educational experience set within the context of multicultural social change.

### EDUF3036

#### Arts-Based Learning and Teaching Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Marianne Hulsbosch **Session:** Semester 2 **Classes:** Lectures: 2 hrs/wk for 9 weeks; Field Study: 3 hrs/wk for 3 weeks; Seminars: 3 hrs/wk for 3 weeks **Prerequisites:** 42 credit points **Assessment:** Critical reflective diary: 40%, Case Study: 60% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program, UG Summer/Winter School.

This unit provides students with an understanding of the traditions, influences, stylistic and contemporary practices contributing to art and design in Australia and the Pacific. Knowledge of art and design, as well as design traditions and contemporary practices, are an important foundation for both practitioners and art educators. This unit will focus on Indigenous Australian and Pacific Islander art and design education.

### EDUF3553

#### Education Exchange Education and Social Work

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (H M H E), B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Des and Tech), B Ed, B A (Psych), B Ed, B Sc (Psych).

### EDUF3554

#### Education Exchange Education and Social Work

**Credit points:** 24 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (H M H E), B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Des and Tech), B Ed, B A (Psych), B Ed, B Sc (Psych).

### EDUF4005

#### Research Honours A Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Assoc. Prof. Jennifer O'Dea **Session:** Semester 1 **Classes:** 1 lecture, one 1 hr tutorial and one 1 hr seminar per wk for 7 wks **Assessment:** 1. Poster presentation describing research project 500 wd (25%); 2. Location and review of literature 2000 wd (25%); 3. Research proposal including methodology and data collection 3000 wd (50%); **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*



**Associated degrees:** B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program.

This unit of study is designed to assist students undertaking the Honours program to understand and make links between research, teaching and learning and to develop knowledge, understanding and skills to both use research and to undertake research. In particular, this unit of study provides the skills, knowledge and understandings to prepare students to undertake, conduct and present research as part of the Honours program in semester 2. Students will build on their understanding of the research process and, in particular, of research methods used in education. It will provide an understanding of the relationships between research and practice to further develop students as informed professionals who can critically analyse, use published research and conduct research. It will also provide knowledge and skills that are essential for teachers to investigate their own practice and to provide evidence of effective teaching and successful student learning.

#### EDUF4006

##### Research Honours B

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Assoc. Prof. Jennifer O'Dea **Session:** Semester 2 **Classes:** 1 (normal 12 x 2 hr weekly workshops with the supervisor). **Prerequisites:** EDUF4005 **Assessment:** Honours Dissertation 10000 wds **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc, UG Study Abroad Program.

This unit supports students in the Honours program in conducting their Honours research project and reporting it in the form of a 10,000 wd dissertation. Students work in small groups with a supervisor on their Honours research projects. The unit consolidates the knowledge and skills teachers need to investigate their own practice and provide evidence of effective teaching and successful student learning. This unit also aims to prepare eligible students for postgraduate research.

#### EDUF4044

##### Reading and Designing Research

##### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Associate Professor Debra Hayes **Session:** Semester 1, Semester 2 **Classes:** Lectures: 2 x 1 hour/week; Workshops: 2 hours/week; Tutorials: 1 hour/week (Classes are conducted during the first seven weeks of semester). **Prerequisites:** 120 credit points including (EDUF2005 or EDUF2006) and (EDUF2002 or EDUF2007) **Assessment:** Two oral presentations (30%); literature review (20%) and final project (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (H M H E), B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Hum Soc Sc), B A, B Ed (Sec:Maths), B Sc, B Ed (Sec:Science), B Sc.

This unit of study is designed to introduce you to the field of research in education. You will develop an appreciation of the broad range of research topics in education and their associated forms of systematic inquiry. The unit will prepare you to read and interpret research, and to conduct small scale investigations in a range of contexts such as classrooms or schools, or within another setting in which learning opportunities are afforded. These settings might include online communication, outdoor education, excursions, coaching, tutoring, and informal learning associated with home and community contexts. The kinds of research questions considered might include pedagogy, curriculum, policy, and organizational issues, and might consider the perspectives of students, teachers, parents, policymakers and/or the broader community. In preparing an individual research proposal, you will draw upon the research literature to develop your topic and to select a form of inquiry that is suited to it.

#### EDUF4215

##### Education Honours 1

##### Education and Social Work

**Credit points:** 24 **Teacher/Coordinator:** Dr Robyn Gibson **Session:** Semester 1 **Classes:** Independent Study **Prerequisites:** 18 credit points from the following: EDUF3023, EDUF3024, EDUF3026, EDUF3027, EDUF3028, EDUF3029, EDUF3030, EDUF3031, EDUF3032 or EDUF3033 **Assessment:** Satisfactory submission of research proposal (start of year); satisfactory submission of draft chapter (end of semester one); 20 minute presentation (semester 2) and successful completion of Honours thesis. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment. Note: Only students undertaking Education Honours from other Faculties are eligible to enrol.*

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons).

There is no coursework per se in the final Honours year, for non-Education students, with the writing of the Honours thesis comprising EDUF4215 and EDUF4216. The Honours thesis involves investigation of a topic chosen by students and relevant to their own interests. The thesis will be based on the proposal due at the commencement of the year, and is supervised directly by an academic within the Faculty. Although the length of the thesis will vary depending on the nature of the investigation, and length does not necessarily indicate quality, the thesis will not normally exceed 20000 -25000 words. Students should note that, although the program of study is carried out over a full year, the units are nevertheless semesterised. A decision to withdraw from the entire Honours program without penalty must therefore be made before the census date in semester one. A progress report will be completed by students and their supervisors in May, providing both students and their supervisors the opportunity to flag any problems related to the project. Three copies of the thesis should be submitted by the last Friday in October, one of which will be returned to the student. Though theses may be submitted in spiral or thermal binding, arrangements should be made by the candidate for one copy of the thesis to be permanently bound by the first Friday in December, and this copy will be retained by the Faculty.

#### EDUF4216

##### Education Honours 2

##### Education and Social Work

**Credit points:** 24 **Teacher/Coordinator:** Dr Robyn Gibson **Session:** Semester 2 **Classes:** Independent Study **Prerequisites:** 18 credit points from the following: EDUF3023, EDUF3024, EDUF3026, EDUF3027, EDUF3028, EDUF3029, EDUF3030, EDUF3031, EDUF3032, EDUF3033 or EDUF4215 **Corequisites:** EDUF4215 **Assessment:** Satisfactory submission of research proposal (start of year); satisfactory submission of draft chapter (end of semester one); 20 minute presentation (semester 2) and successful completion of Honours thesis. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Only students undertaking Education Honours from other Faculties are eligible to enrol.*

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons).

There is no coursework per se in the final Honours year, for non-Education students, with the writing of the Honours thesis comprising EDUF4215 and EDUF4216. The Honours thesis involves investigation of a topic chosen by students and relevant to their own interests. The thesis will be based on the proposal due at the commencement of the year, and is supervised directly by an academic within the Faculty. Although the length of the thesis will vary with the nature of the investigation, and length does not necessarily indicate quality, the thesis will not normally exceed 20000 -25000 words. Students should note that, although the program of study is carried out over a full year, the units are nevertheless semesterised. A decision to withdraw from the entire Honours program without penalty must therefore be made before the census date in semester one. A progress report will be completed by students and their supervisors in May, providing both students and their supervisors the opportunity to flag any problems related to the project. Three copies of the thesis should be submitted by the last Friday in October, one of which will be returned to the student. Though theses may be submitted in spiral or thermal binding, arrangements should be made by the candidate for one copy of the thesis to be permanently bound by the first Friday in December, and this copy will be retained by the Faculty.



**EDUF4553****Education Exchange  
Education and Social Work**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (H M H E), B Ed (Primary), B Ed (Sec)(H M H E), B Ed (Sec), B A, B Ed (Sec), B Sc, B Ed (Sec: Des and Tech), B Ed, B A (Psych), B Ed, B Sc (Psych).

**EDUF5556****Education Exchange  
Education and Social Work**

**Credit points:** 24 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (Sec), B A, B Ed (Sec), B Sc.

**EDUH1005****Professional Practice in PDHPE 1  
Education and Social Work**

**Credit points:** 6 **Teacher/Coordinator:** Dr Steve Georgakis **Session:** Semester 1 **Classes:** 3 hrs/wk for 12 wks and 15 days teaching practicum **Assessment:** PDHPE and Me Report (30%); Lesson plans (40%); Lesson support material (30%); Professional experience **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec)(H M H E), UG Study Abroad Program.

This unit of study is the first of four which will examine pedagogical and professional practices in K-12 Personal Development Health and Physical Education (PDHPE). This unit of study focuses on a Primary learning and teaching school setting. Students will examine the K-6 syllabus, modules and support documents to develop the necessary skills to design and deliver appropriate teaching experiences for a specific stage of learner. The unit is linked to a 15 day Professional Experience in a Primary school.

**EDUH1006****Identifying Health Determinants  
Education and Social Work**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3hrs/wk for 12 wks **Prerequisites:** EDUH1005 **Assessment:** Health Priority Group Project (30%); Online assessments (30%) and Health Promotion Report (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec)(H M H E), UG Study Abroad Program.

This unit of study is the first of five which explore the ways in which health is socially constructed in contemporary Australian society. In line with the NSW Board of Studies rationale for the inclusion of PDHPE in the classroom, this unit will focus on a socio-cultural view of health whilst acknowledging the role of genetic and hereditary factors. The unit will explore how these determinants impact upon individual and community health status. This unit will explore the ways in which meanings of health are constructed, change over time and affect the health status of Australians.

**EDUH1007****Pedagogy for Physical Education 1  
Education and Social Work**

**Credit points:** 6 **Teacher/Coordinator:** Dr Richard Light **Session:** Semester 2 **Classes:** 3 hrs/wk for 12 wks **Prerequisites:** EDUH1005 **Assessment:** Pedagogy essay (40%), Lesson plan and presentation (30%), Pedagogy exam (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec)(H M H E), UG Study Abroad Program.

This unit of study is the first of five units on pedagogy in physical education. The five units move pre-service along a spectrum of teaching styles ranging from teacher-centred to student-centred styles. This journey exposes them to the need for teachers to be able to select and employ the appropriate approach. The unit of study follows on from the introduction to pedagogy delivered in Semester 1 in Professional Practice in PDHPE1 and concentrates on the spectrum of teaching styles used in physical education at the teacher-centred

end of the spectrum. It thus focuses on topics and content that can be seen as requiring more teacher-centred teaching due to safety considerations and the nature of the activities being learnt. To this end pedagogy is studied in relation to motor learning theory as manifested in the Fundamental Motor Skills (FMS) and which is part of the NSW PDHPE syllabus. The unit also examines how less teacher-centred approaches can be employed when teaching track and field and gymnastics. The gymnastics component begins with a traditional directive approach to teaching before moving toward more student-centred approaches to teaching the creative and expressive aspects of gymnastics.

**EDUH1016****Human Bioscience  
Science**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 lectures, 1 session independent study, 3 prac/week. **Prohibitions:** BIOL1003, BIOL1903 **Assessment:** One 2hr exam, assignments, classwork **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (H M H E), B Ed (Sec)(H M H E).

The aim of this unit of study will introduce students to human evolution and genetics, and human structure and function as they apply to future professionals involved in physical education and health education and sport. The unit of study begins with human evolution, human population dynamics and the impact of people on the environment. It includes nutrition, distribution of essential requirements to and from the cells, control of body functions and defence mechanisms. After discussions of reproduction and development it concludes with some controversial aspects of human genetics. This unit of study is offered by staff in the School of Biological Sciences, Faculty of Science.

**Textbooks**

Seeley, R., Stephens, T.D. & Tate, P. 1999. Essentials of Human Anatomy and Physiology, McGraw Hill Book Company. Australia. Pty Ltd.  
 Plus - Chapters 19, 20 and 21 from Benjamin C.L., Garman G.R. and Funston J.H. 1997. Human Biology, McGraw-Hill, which will be produced and shrink-wrapped with Seeley, et al.

**EDUH1017****Sports Mechanics  
Science**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1hr lectures, one 2hr tutorial, one 2hr practical. **Prohibitions:** PHYS1001, PHYS1002, PHYS1901 **Assumed knowledge:** No assumed knowledge of Physics **Assessment:** Laboratory (20%), report (10%), assignments (5%), progressive test (5%), final exam (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (H M H E), B Ed (Sec)(H M H E).

This unit of study at Junior level is designed specifically for BEd(Secondary)(Human Movement and Health Education) students to provide basic knowledge and understanding of concepts in mechanics in preparation for EDUF3013 (Biomechanics). It is presented with a minimum level of mathematics and the mechanics concepts discussed are illustrated with examples from sporting activities. This unit of study is offered by staff in the School of Physics, Faculty of Science.

**Textbooks**

Recommended references:  
 Ellen Kreighbaum & Kathy Barthels, Biomechanics: A Qualitative Approach for Studying Human Movement, 4th Edn. Macmillan. New York. 1996  
 Griffing, The Dynamics of Sports 4th Edn. Dalog Company. Ohio. USA. 1995.  
 Hay, J. The Biomechanics of Sports Techniques. 4th edn. Prentice Hall. New Jersey. 1993.

**EDUH2001****Applied Anatomy and Physiology  
Education and Social Work**

**Credit points:** 4 **Session:** Semester 2 **Classes:** 2 hrs/wk for 12 wks **Prerequisites:** 36 credit points including EDUF1018, EDUF1019 and EDUH1016 **Assessment:** Midsemester (40%) and final (40%) examinations, seminar presentation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (H M H E), B Ed (Sec)(H M H E), UG Study Abroad Program.

This unit of study will enable students to apply the knowledge and understandings of anatomy and physiology, one of the biophysical foundations of human movement and health education, covered in the unit EDUH1016 Human Bioscience to the PDHPE key learning area. A sound understanding of anatomy and physiology enables the comprehension of humans as living, functioning, homeostatic organisms as well as the intricate processes on which the survival of humans depend and its application to a variety of situations related to human movement and health education.

## EDUH2005

### Determinants of Health

#### Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Kate Russell **Session:** Semester 2 **Classes:** 2 hrs/wk for 12 wks **Prerequisites:** 36 credit points including EDUF1018 and EDUF1019 **Assessment:** Seminar presentation (30%), Reflective statement (30%), Essay (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec)(H M H E), UG Study Abroad Program.

This unit of study will be the first of four that will examine health issues relevant to today's society. It will provide both the content and processes for teaching Health Education as part of the PDHPE key learning area. This unit will address the areas of social determinants of health, health and lifestyle, disease processes, nutrition, and safety.

## EDUH2008

### Outdoor Education

#### Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Mr Wayne Cotton **Session:** Semester 2 **Classes:** 24 hrs: 8 hrs lectures; 16 hrs Residential Camp **Prerequisites:** 36 credit points including EDUF1018 and EDUF1019. **Assessment:** Presentation (40%); Reflective Report (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec)(H M H E), UG Study Abroad Program.

This unit of study is an introduction into the field of recreation and leisure from the viewpoint of the individual and investigates various societal agencies as providers of leisure services. Students will develop an understanding of the historical, philosophical, and theoretical contexts that underpin the place of outdoor education in Australian settings. The role of schools as providers of experiences in outdoor education will be examined as will public and private providers of leisure experiences for community members.

## EDUH2009

### Physical Education Pedagogy 2

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Steve Georgakis **Session:** Semester 1 **Classes:** 36 hours; 3 hours per week for 12 weeks **Prerequisites:** 36 credit points including EDUF1018, EDUF1019 and EDUH1004 **Assessment:** Essay (30%), Gymnastics Teaching resource (15%), lesson plans (30%), exam (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec)(H M H E), UG Study Abroad Program.

Physical education is an integral part of the PDHPE key learning area. This unit of study is the second of five that will provide practical experience in these aspects of the curriculum. It will reinforce the relationship between physical activity and health status as well as the safety aspects associated with participation in physical activity in a variety of environments. A broad definition of physical activity of which competitive team sport is one aspect will drive the direction of these units. Participation in a variety of physical activities will enable students to develop their physical skills along with a commitment to the value of lifelong physical activity. The opportunity to develop expertise in teaching through learning theory as opposed to coaching physical skills will also ensure that they will be able to encourage others to participate in and value lifelong physical activity. In this unit students will gain experience in gymnastics and games sense.

## EDUH2010

### Professional Experiences in PDHPE 1

## Education and Social Work

**Credit points:** 6 **Session:** Semester 1 **Classes:** 36 hours, 3 hours per week plus a five-week block of teaching practice **Prerequisites:** 36 junior credit points including 12 from Education. **Assessment:** Unit of work (40%), Report (40%), Unit support material (20%), Teaching practice (Pass/Fail) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec)(H M H E), UG Study Abroad Program.

This unit is the first of three that will examine curriculum design, learning and teaching from Kindergarten to Year 12 in the PDHPE Key Learning Area (KLA). It will concentrate on the PDHPE (KLA) in the primary school. It provides an opportunity for both the theory and practice of learning and teaching in PDHPE to be explored. Students will undertake a four-week block of teaching practice in primary schools as a part of this unit of study. They will be expected to take an active role as a member of a learning community by planning, implementing and reflecting on units of work relevant to the age and stage of development of pupils in Stages 1-3. Both self-reflection and review by the cooperating teacher and/or tertiary supervisor will enable students to develop their teaching skills during the teaching practice experience.

## EDUH3004

### Psychosocial Health Issues

#### Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Jenny O'Dea **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** 48 credit points of Professional Studies in HMHE including EDUH2005 **Assessment:** Seminar presentation (30%); Exam (40%); Media Literacy test (20%); Discussion board response (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec)(H M H E), UG Study Abroad Program.

This unit is the second of four that will examine health issues relevant to today's society. It will provide both the content and process of Health Education as part of the PDHPE key learning area. This unit will address the areas of personal awareness, interpersonal skills, lifespan development, mental health and social health.

## EDUH3007

### Professional Experiences in PDHPE 2

#### Education and Social Work

**Credit points:** 6 **Session:** Semester 1 **Classes:** 36 hours, 3 hours/week plus a four-week block of teaching practice **Prerequisites:** 48 credit points of Professional Studies in HMHE including EDUH2010 **Assessment:** Unit of work (30%), Critical review (25%), Planning Meeting (10%), Resource file (35%), Teaching practice (Pass/Fail). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec)(H M H E), UG Study Abroad Program.

This unit is the second of three that will examine curriculum design, learning and teaching from Kindergarten to Year 12 in the PDHPE Key Learning Area (KLA). It will concentrate on the PDHPE (KLA) in the junior high school. It provides an opportunity for both the theory and practice of learning and teaching in PDHPE to be explored. Students will undertake a four-week block of teaching practice in secondary schools as a part of this unit of study. They will be expected to take an active role as a member of a learning community by planning, implementing and reflecting on units of work relevant to the age and stage of development of pupils in Stages 4 and 5. Both self-reflection and review by the cooperating teacher and/or tertiary supervisor will enable students to build on the teaching skills develop during their previous professional experience block.

## EDUH3008

### Physical Education Pedagogy 3

#### Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Steve Georgakis **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** 48 credit points of Professional Studies in HMHE including EDUH2009 **Assessment:** Peer teaching, (30%), Unit outline (50%), Essay (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec)(H M H E), UG Study Abroad Program.

Physical education is an integral part of the PDHPE key learning area. This unit of study is the third of five that will provide practical experience in these aspects of the curriculum. It will reinforce the relationship between physical activity and health status as well as the safety aspects associated with participation in physical activity in a variety of environments. A broad definition of physical activity of which competitive team sport is one aspect will drive the direction of these units. Participation in a variety of physical activities will enable students to develop their physical skills along with a commitment to the value of lifelong physical activity. The opportunity to develop expertise in teaching through learning theory as opposed to coaching physical skills will also ensure that they will be able to encourage others to participate in and value lifelong physical activity. In this unit students will gain experience in dance, target games, net/wall games.

### EDUH3009

#### Physical Education Pedagogy 4 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Steve Georgakis **Session:** Semester 2 **Classes:** 3 hrs/week for 12 weeks **Prerequisites:** 48 credit points of Professional Studies in HMHE including EDUH3008 **Assessment:** Peer teaching and lesson planning (50%), essay (10%), Resource folder (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec)(H M H E), UG Study Abroad Program.

Physical education is an integral part of the PDHPE key learning area. This unit of study is the fourth of five that will provide practical experience in these aspects of the curriculum. It will reinforce the relationship between physical activity and health status as well as the safety aspects associated with participation in physical activity in a variety of environments. A broad definition of physical activity of which competitive team sport is one aspect will drive the direction of these units. Participation in a variety of physical activities will enable students to develop their physical skills along with a commitment to the value of lifelong physical activity. The opportunity to develop expertise in teaching through learning theory as opposed to coaching physical skills will also ensure that they will be able to encourage others to participate in and value lifelong physical activity. In this unit students will gain experience in track and field, gymnastics, striking games and court invasion games for primary and secondary school students.

### EDUH3014

#### Assessment and Evaluation in PDHPE Education and Social Work

**Credit points:** 4 **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** 48 credit points of Professional Studies in HMHE including EDUH2010 **Assessment:** Testing workshop (30%); Essay (40%); Assessment schedule (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (H M H E), B Ed (Sec)(H M H E), UG Study Abroad Program.

This unit is designed to provide students with the knowledge, understanding and skills to effectively conduct assessment and evaluation as integral parts of PDHPE and sport. There have been significant changes to assessment and evaluation requirements in secondary schools in NSW. Teachers are required to be more accountable for the learning outcomes of students. Practical application of assessment for learning and of learning and evaluation as they relate to the PDHPE key learning area in high schools will be examined as will the construction and implementation of both theory and practical assessment tasks.

### EDUH3027

#### Exercise Physiology Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Donna O'Connor **Session:** Semester 1 **Classes:** 3 hours/week for 12 weeks **Prerequisites:** 48 credit points of Professional Studies in HMHE including EDUH2001 **Assessment:** Assessment will be in the form of online quizzes, responses to labs, group research project and exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec)(H M H E), UG Study Abroad Program.

This lecture/laboratory unit of study will examine the effects that take place in the body during and after exercise. Related aspects will include cellular physiology, energy production, aerobic and anaerobic metabolism, work capacity, the respiratory and circulatory systems under exercise, effect of altitude, thermoregulation and hydration, body composition and ergogenic aids.

### EDUH3028

#### Adolescent Health Issues Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Jenny O'Dea **Session:** Semester 2 **Classes:** 3 hours/week for 12 weeks **Prerequisites:** 48 credit points of Professional Studies in HMHE including EDUH2005 **Assessment:** Unit outline and lesson plans (35%); Exam (35%); Site visit (20%); Quiz (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec)(H M H E), UG Study Abroad Program.

This unit is the third of four that will examine health issues relevant to today's society. It will provide both the content and process of Health Education as part of the PDHPE key learning area. This unit will address the areas of adolescent health, drug use, sexuality and resilience, connectedness and protective behaviours.

### EDUH4002

#### Physical Education Pedagogy 5 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Richard Light **Session:** Semester 1 **Classes:** 36 hours: 3 hours/week for 12 weeks **Prerequisites:** 84 credit points of Professional Studies in HMHE including EDUH3009 **Assessment:** Essay (40%); Reflective essay (20%); Report (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Sec)(H M H E), UG Study Abroad Program.

Physical Education and Sport Pedagogy 5 focuses on student-centred, inquiry-based approaches to teaching and learning games, sport and life-long leisure pursuits. Students will further develop their understanding of Game Sense and similar problem-solving, discovery approaches to teaching in games, sport and leisure activities and apply them in practical workshops. Students will study issues involved in the promotion of life-long active life styles and strategies for encouraging attachment to physical activity that can be initiated in schools and community settings. The leisure activities workshops may include those such as pilates, yoga, martial arts, initiative games and junior surf life saving. The games and sport component of the unit will include practical workshops at university and microteaching experience at a local school.

### EDUH4048

#### Professional Experiences in PDHPE 3 Education and Social Work

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hours/week for 12 weeks and 25 days in school experience **Prerequisites:** 84 credit points of professional studies in HMHE including EDUH3007 **Assessment:** Quality Teaching Response (15%), Exploring Cores and Options (40%), Resource file (45%), Teaching practice (Pass/Fail). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (H M H E), B Ed (Sec)(H M H E), UG Study Abroad Program.

This unit builds on the introduction to fundamental teaching skills and curriculum design in the PDHPE Key Learning Area (KLA) with particular reference to primary and junior secondary schools. It will concentrate on the PDHPE (KLA) in the senior high school. It provides an opportunity for both the theory and practice of learning and teaching in PDHPE to be explored. Students will undertake a four week block of teaching practice in high schools as a part of this unit of study. They will be expected to take an active role as a member of a learning community by planning, implementing and reflecting on units of work relevant to the age and stage of development of pupils in Years 7 - 12. Both self-reflection and review by the cooperating teacher will enable students to build on the teaching skills developed during previous teaching practice experiences.

## EDUH4050

### Sports Medicine

#### Education and Social Work

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hours/week for 12 weeks **Prerequisites:** 84 credit points of Professional Studies in HMHE **Assessment:** Injury report (40%), Final Exam (40%); Current Sports Medicine Practices (20%); Competency Test (Pas/Fail) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (H M H E), B Ed (Sec)(H M H E), UG Study Abroad Program.

This unit will introduce students to the pathology, diagnosis and management of injuries commonly sustained during sporting activities. It will assist students to understand their role and the role of various health professionals in recognising and managing sport related injuries. It will also examine ethical issues related to sports medicine.

## EDUH4051

### Community Health Issues

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Kate Russell **Session:** Semester 2 **Classes:** 3 hours/week for 12 weeks **Prerequisites:** 84 credit points of Professional Studies in HMHE including EDUH3028 **Assessment:** Critical Analysis (35%); Review essay and Gala display (65%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (H M H E), B Ed (Sec)(H M H E), UG Study Abroad Program.

It has been suggested that many of the health-related problems inherent in Australia today are related to humans as social beings, the types of lifestyles individuals lead and their interactions with others. While the ultimate responsibility for health rests with individuals, many factors affect health including environment, life stage and skills. However, there are a number of skills that individuals can learn and incorporate into the way they live as they grow and develop. In this unit students will study issues related to health consumerism, community health and global health as well as their roles in health education and health promotion in schools.

## EDUH4052

### Learning in Outdoor Education

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** r Wayne Cotton **Session:** Semester 1, Semester 2 **Classes:** 2 hrs/wk for 9 wks plus field trips **Prerequisites:** 84 credit points of Professional Studies in HMHE **Assessment:** Report (50%); Reflective Statement (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (H M H E), B Ed (Sec)(H M H E), UG Study Abroad Program.

Learning in Outdoor Education examines contemporary theories of learning with a focus on experience and engagement of the body in learning about and within natural environments. In particular, it highlights the differences between learning about the natural environment in the classroom or lecture theatre and the depth and range of interrelated social, cognitive, physical and affective learning that is possible in it. Students will learn about places of natural significance and theories of experiential learning in lectures which is followed by first hand experiences of the places being studied through a two-day field trip and a three-day field trip in uniquely Australian landscapes within NSW. While this unit of study will develop student knowledge and understanding of specific areas of natural significance in NSW it focuses on the nature of learning that takes place through first hand experiences of them. Through this approach students will come to understand and know these places through two different modes of learning that they analyse through the application of educational learning theory.

## EDUH4053

### Indigenous Sport, Education and Culture

#### Education and Social Work

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 2 hours/week for 11 weeks plus field trip **Prerequisites:** 84 credit points of professional studies in HMHE **Assessment:** One seminar presentation on indigenous

education issues, one 1500 word field trip report and a 2500 word reflective essay based on field trips. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (H M H E), B Ed (Sec)(H M H E), UG Study Abroad Program.

Indigenous Sport, Education and Culture will provide students with a socially critical perspective on indigenous people's participation in sport and education as dynamic aspects of society and the ways in which this positions them in Australian society. This unit of study examines the ways in which sport and education are tied into the reproduction of social, economic and health disadvantage for Indigenous Australians. While sport plays a part in the reproduction of disadvantage it is also a highly visible area in which indigenous people have excelled in Australia. This unit of study also examines the ways in which sport can be, and has been, used to address indigenous disadvantage in contemporary Australian society. These issues are studied within the context of the history of white Australia as viewed from the perspective of indigenous Australians. The unit of study provides students with first-hand experiences of indigenous culture and issues examined through the provision of field trips. Informed by lectures and unit readings, the field trips make an invaluable contribution to a learning journey over the semester.

## EDUH4054

### Issues in Nutrition Education

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Jennifer O'Dea **Session:** Semester 2 **Classes:** 3 hours/week for 12 weeks **Prerequisites:** 84 credit points of Professional Studies in HMHE **Assessment:** Either develop lesson plans or presentation of a case study (50%), examination (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (H M H E), B Ed (Sec)(H M H E), UG Study Abroad Program.

This unit of study will provide health educators with a sound knowledge of issues in nutrition and educational strategies for implementation of nutrition education in the secondary classroom. Content includes special nutritional requirements of infants, adolescents, women, vegetarians, athletes, nutrition education strategies, dietary supplements, food faddism, diets, food labelling.

## EDUH4055

### Fitness Training: Theory and Practice

#### Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Donna O'Connor **Session:** Semester 1 **Classes:** 3 hours/week for 12 weeks **Prerequisites:** 84 credit points of Professional Studies in HMHE. **Assessment:** Designing and implementing a 6 week training program (60%), debate (30%), PDHPE lesson plans (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (H M H E), B Ed (Sec)(H M H E), UG Study Abroad Program.

This unit is designed to provide the skills and knowledge necessary for effective construction and implementation of training programs for health benefits and to improve performance. Emphasis will be on the knowledge and practical understanding of different training methods and their physiological adaptations. At the completion of this unit it is hoped that students are more confident and knowledgeable in this content area, understand the vital link between theory and practice and value the need for them to be research informed teachers.

## EDUH4057

### Administration of PDHPE and Sport

#### Education and Social Work

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hrs/wk for 12 wks **Prerequisites:** 84 credit points of Professional Studies in HMHE. **Assessment:** Research poster project (30%), Group project presentation (30%), Exam (30%), Resource folder (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (H M H E), B Ed (Sec)(H M H E), UG Study Abroad Program.

This unit of study is designed to examine the principles of administration and administrative techniques and procedures appropriate for PDHPE and sport in schools. The unit of study will move from a base of administrative theory to precise issues and skills required for administering programs and projects in both school and community settings.

#### EDUH4058

##### **Sport and Learning in Australian Culture Education and Social Work**

**Credit points:** 6 **Teacher/Coordinator:** Dr Richard Light **Session:** Semester 1, Semester 2 **Classes:** 2 hours/week for 11 weeks plus field trips **Prerequisites:** 84 credit points of Professional Studies in HMHE **Assessment:** Two analytic field trip reports of 1000 words (40%), one final research essay of 3000 words (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (H M H E), B Ed (Sec)(H M H E), UG Study Abroad Program.

Meaningful educational experiences involve learning that effects a lasting change and involves some degree of personal transformation. As Dewey suggests learning and the realization of our humanity arises, not from any direct teaching but from the learning environment and the stimulation that it generates. This subject is structured around the provision of students' first hand experiences of Australian sport culture ranging from school and community-based sport to commercial, commodified sport played at the highest levels. Lectures and the provision of relevant readings are structured around these experiences to help them interpret, make sense of the subject content in a meaningful and relevant way. The provision of experience of Australian sport culture, its culture-specific meanings and practices informed by a socially critical examination of sport and its impact constitutes a holistic approach to learning about sport in a setting that is culturally distinct from that of backgrounds of most students who will undertake the course. While it will provide understanding of a new cultural context it will also encourage a more socially critical view of sport in their own societies, an understanding of global forces in sport and their impact on local cultures.

#### EDUP1001

##### **Creative Arts 1**

##### **Education and Social Work**

**Credit points:** 6 **Teacher/Coordinator:** Dr Robyn Gibson **Session:** Semester 2 **Classes:** 1 hour lecture, 2 hour workshops for 13 weeks. **Assessment:** Arts learning experiences assignment & VAPD/Portfolio **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit comprises four Creative Arts components: Visual Arts, Music, Drama and Dance. It combines both theoretical and practical/studio work across a range of art forms appropriate for K - 6 classrooms..

#### EDUP1002

##### **Language, the Learner and the School**

##### **Education and Social Work**

**Credit points:** 6 **Teacher/Coordinator:** Dr Jon Callow **Session:** Semester 1 **Classes:** 36 hours contact time including lectures, tutorials and online learning experiences; 8 days professional experience. **Assessment:** Professional experience; Seminar presentation and discussion activities for weekly readings - 15-20 minutes (20%); Beginning your professional portfolio 1800 - 2000 word (40%); Report : Teaching Literacy and Classroom Practice - 2500 word (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit of study begins the exploration of children's language learning. The unit provides an introduction to professional experience in the primary classroom through exploring K-3 literacy development and teaching practice. Students will become familiar with the fundamental components of literacy, supported through observation of teachers and children in classrooms and interaction with small groups of children emerging in literacy.

#### EDUP2002

##### **English: Learning to be Literate**

##### **Education and Social Work**

**Credit points:** 4 **Teacher/Coordinator:** Dr Angela Thomas **Session:** Semester 1 **Classes:** 24 hours contact time including lectures, tutorials and online learning experiences. **Prerequisites:** EDUP1002 **Assessment:** Understanding how to choose literature for the classroom 2,000 wd (50%); Using text resources in the literacy session 2,000 wd (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

In this unit you will develop understandings about the teaching of reading, writing, listening and speaking to students in the early years of schooling. A balanced approach to the development of literacy and the teaching of English will be exemplified by a focus on the use of quality children's literature and factual texts relevant to this stage of learning. You will develop understandings about how young children learn and how to assess their learning in the context of an engaging English program.

#### EDUP2004

##### **PDHPE1: Physical Activity**

##### **Education and Social Work**

**Credit points:** 4 **Teacher/Coordinator:** Dr Steve Georgakis **Session:** Semester 1 **Classes:** 3 hours/week for 9 weeks **Prerequisites:** EDUP1002 **Assessment:** Essay 2000 word (50%); Unit outline and lesson plans 2000 word (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit of study is the first of two units aimed at assisting students to develop their teaching skills in Physical Education. It is focused on the development of Physical Education pedagogy for generalist primary school teachers aimed at making children's experiences of physical activity enjoyable, rewarding and educationally valuable. Students will study the theory and practice of teaching physical activity in primary schools with a focus on student-centred pedagogy and on sport and teaching games in particular. Through reading, active participation in lectures, sport and workshops, students will engage with the latest developments in physical education pedagogy and apply it in practical contexts. This will involve exposure to contemporary theories of learning in and through physical education, management and organisational issues specific to physical education, practical workshops and team teaching in a primary school. Drawing on experiences of lectures and workshops students will work collaboratively in planning for learning, organising, managing and teaching physical education with a clear focus on student learning and achievement.

#### EDUP2005

##### **Mathematics 1: Exploring Early Number**

##### **Education and Social Work**

**Credit points:** 4 **Teacher/Coordinator:** Dr Jennifer Way **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** EDUP1002 **Assessment:** Assessing and analysing a child's level of thinking using the Schedule for Early Number Assessment (SENA) and the Learning Framework in Number (LFIN) (80%); designing follow-up teaching activities based on the results of the assessment (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This is the first unit of study in Mathematics and students will be introduced to key issues associated with how children acquire early mathematical concepts, processes and knowledge. The Learning Framework in Number will be a major focus of content for this unit of study. As part of this study students will be required to assess a child from the K-2 grades using an interview schedule and to use the results to plan activities that demonstrate knowledge of worthwhile mathematical tasks.

#### EDUP2006

##### **Indigenous Australian Education**

##### **Education and Social Work**

**Credit points:** 4 **Teacher/Coordinator:** Ms Sharon Galleguillos **Session:** Semester 1 **Classes:** 2 hours/week for 10 weeks **Prerequisites:** EDUP1002

**Assessment:** My Community - presentation and report (30%); Reconciliation in our Primary Schools - 1,000 words (30%); essay - 1,500 words (40%).  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Within New South Wales public schools it is mandatory to implement the Department of Education and Training (DET) Aboriginal Education Policy (1996) and ensure Aboriginal perspectives are provided in all key-learning areas*

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

N.B. Within New South Wales public schools it is mandatory to implement the Department of Education and Training (DET) Aboriginal Education Policy (1996) and ensure Aboriginal perspectives are provided in all key-learning areas. This Indigenous Australian Education unit of study focuses on contemporary issues in Indigenous Education. Students will also develop an understanding of the historical backgrounds of Indigenous Australians and how these experiences impacted upon their schooling. Students will increase their current levels of knowledge in relation to some of the broader social topics that are relevant to Indigenous Australians.

## EDUP2027

### Beginning Professional Experiences Education and Social Work

**Credit points:** 8 **Teacher/Coordinator:** Ms Christine Preston **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks plus 1 hour lecture for 4 weeks  
**Prerequisites:** EDUP1002, EDUF1018 and EDUF1019 **Prohibitions:** EDUP2003 **Assessment:** A successful completion of professional experience placement and the following exercises: a lesson plan (1000 wd); One group presentation (750 word); a reflection on the Professional Experience (2500 word). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit incorporates the year's professional experience and continues students' development as reflective practitioners. It examines various ways in which the concepts of curriculum and evaluation and quality teaching have been defined in current literature. The phases of planning, development, implementation and evaluating quality lesson plans will be examined along with the importance of reflective practices. Classroom management issues will also be further explored, building on the initial discussions in EDUP1002 in Year One. Students will develop an understanding of the interrelationship between quality teaching dimensions and management of the classroom learning community. They will demonstrate their understanding and expertise of quality teaching and learning principles through peer teaching and during their professional experiences in schools.

## EDUP3001

### PDHPE 2: Active Healthy Primary Schools Education and Social Work

**Credit points:** 4 **Session:** Semester 1 **Classes:** A 1 hour lecture for 5 weeks and a 2 hour workshop for 12 weeks **Prerequisites:** 36 credit points of professional studies in Primary Education including EDUP2004 **Assessment:** A PDHPE and me report (1500 wd) (50%) and a peer teaching and written task (1,500 wd equivalent) (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

In this second unit of study students will continue to gain experience in a variety of physical activities as well as being introduced to health and personal development content strands from the Personal Development Health and Physical Education (PDHPE) Key Learning Area (KLA), K-6. Students will be encouraged to examine their own health and fitness status and explore the importance of leading active and healthy lives. Emphasis will be placed upon developing teaching skills and programming strategies necessary for the effective implementation of the syllabus. Participation in a variety of dance and gymnastic activities will enable students to develop their confidence and physical skills to teach children. Particular attention will be given to teaching an integrated PDHPE curriculum within the health promoting school context.

## EDUP3002

### Human Society and its Environment

## Education and Social Work

**Credit points:** 4 **Session:** Semester 1 **Classes:** 24 hours lecture and tutorial mode. **Prerequisites:** 36 credit points of professional studies in Primary Education **Assessment:** Classroom responses to a social issue (30%); Development of an excursion (30%); Critique and enhancements of unit of work (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit will focus on the fundamental principles of the Human Society and Its Environment K-6 key learning area as well as theories of how children learn in a social setting. This unit will enable the students to design and critically reflect on learning experiences which are planned to achieve the aim of the NSW HSIE K-6 Syllabus.

## EDUP3003

### Teaching in Multilingual Classrooms Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Paul Dufficy **Session:** Semester 1 **Classes:** 2 hours/week for 10 weeks **Prerequisites:** 36 credit points of professional studies in Primary Education **Assessment:** There is a range of linked assessment tasks in this unit. These include activity design tasks; a written paper analysing classroom talk; the design of a substantial learning sequence; and introducing and reading a novel. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

The content of this introductory unit of study is based around teaching principles derived from current sociocultural thinking. Four key principles are challenge, engagement, assisted performance, and handover. With these in mind, and after an introduction to the social and political context of TESOL, the unit covers oral language development, literacy and the integration of newly-arrived children.

## EDUP3004

### Mathematics 2: Space and Measurement Education and Social Work

**Credit points:** 4 **Session:** Semester 2 **Classes:** 2 hours/week for 11 weeks **Prerequisites:** 36 credit points of professional studies in Primary Education including EDUP2005 **Assessment:** Written paper providing evidence of knowledge of content and pedagogy of mathematics (40%) and a folder of work containing 3 - 4 lesson plans and lesson evaluations (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

In this unit students will focus on the content strands of Space & Geometry, and Measurement, and the process strand, Working Mathematically. The role mathematics plays in developing numeracy will be examined in the light of the content areas covered in this unit.

## EDUP3005

### Investigating in Science and Technology Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Louise Sutherland **Session:** Semester 2 **Classes:** 1 hour lectures (Weeks 1, 2, 3, 4 & 5); 2 hour workshops (Weeks 2, 3, 4, 5, 6, 7, 8 & 9) **Prerequisites:** 36 credit points of professional studies in Primary Education including EDUF1016, EDUF1017 and EDUP2027 **Assessment:** Assessment will be based on assignments involving teaching activities, the development of a teaching guide and lesson planning. Group work will be a feature of one of these assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit is the first of two dealing with issues, strategies and resources relevant to the teaching of Science and Technology in the K-6 curriculum. It builds upon foundation studies in science undertaken by students in the Science Foundations units EDUF1016 and EDUF1017.

## EDUP3006

### English: Becoming Literate Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Jon Callow **Session:** Semester 2 **Classes:** 26 hours mixed mode delivery lectures, tutorials and online work. **Prerequisites:** 36 credit points of professional studies in Primary Education including EDUP1002 and EDUP2002 **Assessment:** Analysis of child's writing

sample (50%); Artefact collection and lesson sequence (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

In this unit students will continue to reflect on their theoretical knowledge of the principles of English teaching. They will critique key readings to challenge, make links to their own practices and to question past and current practice. Students will examine literacy assessment tools, identify the literacy demands of factual texts and plan lessons to encourage pupil engagement through explicit teaching in stages one and two. As a result of working in this unit, students should be prepared to justify their own approach to teaching English and literacy across the curriculum areas in the primary classroom.

### EDUP3007

#### Professional Experiences 2 (Primary) Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Robyn Gibson **Session:** Semester 2 **Classes:** 2 hours/week for 7 weeks **Prerequisites:** 36 credit points of professional studies in Primary Education including EDUP2027 **Prohibitions:** EDUP2003 **Assessment:** There is a range of linked assessment tasks in this unit of study. These include weekly presentations, a critical reflection about learning during in-school experience, and the successful completion of 15 days in-school experience. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit of study builds upon the work completed in Professional Experiences 1 by maintaining a reflective orientation and introducing students to more detailed aspects of grouping strategies, communication, management and assessment. The twin themes of 'making links' and 'quality learning for children' will be central.

### EDUP3008

#### Creative Arts 2 Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Robyn Gibson **Session:** Semester 1 **Classes:** 2 hours/week for 13 weeks **Prerequisites:** 36 credit points of professional studies in Primary Education including EDUP1001 **Assessment:** Unit of work or Resource Kit and continuation of VAPD/Portfolio **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit comprises four Creative Arts components: Visual Arts, Music, Drama and Dance. It continues to develop both theoretical and practical/studio work across a range of art forms appropriate for primary age children.

### EDUP3034

#### PDHPE 3: The Health Promoting School Education and Social Work

**Credit points:** 4 **Session:** Semester 2 **Classes:** 1 1hr lecture for 2 weeks and 2 hr workshop for 8 weeks **Prerequisites:** 36 credit points of professional studies in Primary Education including EDUP2004 and EDUP3001 **Assessment:** A letter to parents and a referenced rationale (1500 wds) worth 40% justifying the importance of the chosen PDHPE topic. A unit of work (2500 wds) worth 60% on the chosen PDHPE topic including useful websites. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

In this unit of study, additional content strands from the Personal Development Health and Physical Education Syllabus, K - 6 will be examined and further emphasis will be placed upon refining teaching skills and developing programming strategies necessary for the effective implementation of the syllabus. Particular attention will be given to sensitive issues in the syllabus. The role of the school as a health promoting environment will be examined further.

### EDUP4007

#### Primary Languages A Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 1 **Classes:** 2 hours per week over 10 weeks **Prerequisites:** 72 credit points of Professional Studies in Primary Education **Assessment:** An academic essay (50%) and a set of three lesson plans (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (Primary).

This unit of study will enable students to prepare to implement a languages program in a primary school context. Through an examination of policy and syllabus documents, suitable teaching methods and pedagogy, students will focus on what is required for establishing and sustaining a primary languages program. Students will also develop language lesson planning skills, and become familiar with materials that are suitable for the primary languages classroom.

### EDUP4008

#### Primary Languages B Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Lesley Harbon **Session:** Semester 2 **Classes:** 2 hours/week over 10 weeks (20 hours) **Prerequisites:** EDUP4007 **Assessment:** An intercultural task, parts a and b (75%) and a set of PowerPoint slides (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (Primary).

This unit of study allows students to continue their understandings of how best to deliver a languages program in a primary school context. Through an examination of intercultural languages education theory, and the syllabus directives as regards planning to use ICT as a vehicle for lesson delivery as well as a tool for teacher student teaching/learning, students will continue to focus on what is required for establishing and sustaining a primary languages program.

### EDUP4009

#### Special Education (A) Special Course Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Associate Professor David Evans **Session:** Semester 1 **Classes:** 2 hours/week over 11 wks (22 hrs) **Prerequisites:** 72 credit points of Professional Studies in Primary Education and EDUP3031 **Assessment:** Theory to Practice paper (40%); Application Task (40%); and Tutorial (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (Primary).

The education of students with additional learning needs is a challenge for all teachers. Given the introduction of the Disability Standards for Education (2005) all teachers are required to be knowledgeable about curriculum and instructional adjustments that will assist them to cater for students with special educational needs. This unit will address issues around current legislation and policy, review current literatures about effective practices in catering for students with special needs, and develop skills in reviewing literature and policy. The remainder of the unit will be spent examining practices that will assist teachers to meet the additional learning needs of students experiencing difficulty in learning literacy and numeracy through school based experiences.

### EDUP4010

#### Special Education (B) Special Course Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Associate Professor David Evans **Session:** Semester 2 **Classes:** 2 hours/week for 11 wks (22 hrs) **Prerequisites:** EDUP4009 **Assessment:** Theory to Instruction Paper (40%); In-school Collaboration Project (30%); Programming Task (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (Primary).

The education of students with special education needs is the business of all teachers. This unit will further the study of policy and practices that assist teachers to cater for students with special needs through (a) examining strategies of how teachers can work together to address student need, and (b) how they can adjust their classroom practices to manage challenging and difficult social behaviour. At the completion of the unit students will be familiar with problem based approaches and whole school strategies for addressing the education outcomes for students with special education needs.



## EDUP4017

### Professional Experiences 4 (Primary) Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Tony Loughland **Session:** Semester 2 **Classes:** 5 lectures and tutorials; 30 days in school experience **Prerequisites:** 72 credit points of Professional Studies in Primary Education including EDUP1002, EDUP2027, EDUP3007, EDUP4079 **Assessment:** Assessment will be in the form of a satisfactory practice teaching and action learning report. **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B Ed (Primary).

This unit of study is the final professional experience in the Bachelor of Education Primary degree. Students act in the role of graduate teacher in a 30 day internship that is the culmination of this unit of study. In preparation for this internship, students will prepare an action learning task that will build upon the professional learning undertaken in EDUP4079 in semester 1. This action learning task will be framed by the graduate teacher standards of the NSW Institute of Teachers.

## EDUP4062

### Gifted and Talented Education A Education and Social Work

**Credit points:** 4 **Session:** Semester 1 **Classes:** 2 hrs/wk for 10 wks **Prerequisites:** 72 credit points of professional studies in Primary Education **Assessment:** Peer Teaching Task (1200w); Written Task (1500 words), Lesson (1200 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

Understanding and responding to the needs of gifted children is an integral part of teaching all key learning areas. This unit of study is the first of two that will provide practical and theoretical experience in these aspects of the curriculum. It will link recommended practice for gifted children with actual practice in the classroom and across the school. Definitions and identification of giftedness will underpin the unit's emphasis on real provisions to motivate and challenge gifted children. Participation in a variety of activities will enable students to design lessons and programs to teach children with differing capabilities while developing the knowledge, skills and attitudes that will lead to the commitment to the value of lifelong learning. In this unit students will gain experience in making opportunities real for gifted children.

## EDUP4063

### Gifted and Talented Education B Education and Social Work

**Credit points:** 4 **Session:** Semester 2 **Classes:** 2 hrs/wk for 10 wks **Prerequisites:** EDUP4062 Gifted and Talented Education A **Assessment:** Peer Teaching Task (1500 words); Written Task (1000 words), Lesson Plan (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

Understanding and responding to the needs of gifted children is an integral part of teaching all key learning areas. This unit of study is the second of two that will provide practical and theoretical experience in these aspects of the curriculum. Building on work done in Gifted and Talented A, this Unit will continue to link recommended practice for gifted children with actual practice in the classroom and across the school. Definitions and identification of giftedness will underpin the unit's emphasis on real provisions to motivate and challenge gifted children. Participation in a variety of activities will enable students to design lessons and programs to teach children with differing capabilities while developing the knowledge, skills and attitudes that will lead to the commitment to the value of lifelong learning, an experience in making opportunities real for gifted children.

## EDUP4066

### IT in the Primary Classroom A Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Ms Vilma Fyfe **Session:** Semester 1 **Classes:** 20 hours or 2 hours/week for 10 weeks **Prerequisites:** 72 credit points of Professional Studies in Primary Education including EDUP3003 and

EDUP3007 **Assessment:** Assessment will be based on school based IT projects (3000 wd equivalent) and workshop presentation (1000 wd equivalent). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit builds upon earlier computer based experiences in Education 1 in order to develop students' understanding of, and skills in, the application of contemporary information and communication technologies in the Primary classroom. Technical aspects will be drawn from database design and construction, presentation software, Website design, and desktop publishing. The unit will deal with aspects of technology that impinge on teachers' own professional and administrative practice, the evaluation of IT related resources and the integration of IT into classroom activities.

## EDUP4067

### IT in the Primary Classroom B Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Ms Vilma Fyfe **Session:** Semester 2 **Classes:** 20 hours or 2 hours/week for 10 weeks **Prerequisites:** EDUP4066 **Assessment:** Assessment will be based on school based IT projects (3000 wd equivalent) and class presentations (1000 wd equivalent). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit builds upon earlier computer based experiences in Education 1 and IT in the Primary Classroom (A) in order to develop students' understanding of, and skills in, the application of contemporary information and communication technologies in the Primary Classroom (A) in order to develop students' understanding of, and skills in, the application of contemporary information and communication technologies in the Primary classroom. Technical aspects will be drawn from presentation software, digital video production and low cost graphic techniques. The unit will deal with aspects of technology that impinge on teachers' own professional and administrative practice, the evaluation of IT related resources and the integration of IT into classroom activities.

## EDUP4068

### TESOL (A) Special Course Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** D Paul Dufficy **Session:** Semester 1 **Classes:** 2 hrs/wk for 10 wks **Prerequisites:** 72 credit points of Professional Studies in Primary Education including EDUP3003 & EDUP3007 **Assessment:** There is a range of linked assessment tasks in this unit. These include activity design tasks: a grammar test; the assessment of a piece of children's writing; the design of a substantial learning sequence; development of a program for teaching a novel. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

The content of this unit builds upon previous work completed in EDUP3003 and is based around teaching principles derived from current socio-cultural thinking. Four key principles are challenge, engagement, assisted performance, and handover. With these in mind, and after an introduction to the social and political context of TESOL, the unit covers oral language development, literacy and the integration of newly-arrived children, and grammar across the KLA.

## EDUP4069

### TESOL (B) Special Course Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Paul Dufficy **Session:** Semester 2 **Classes:** 2 hours/week for 10 weeks **Prerequisites:** EDUP4068 **Assessment:** There are three assessment tasks in this unit. They are: a vocabulary design task; a research project; and an oral review of a current journal article. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

The content of this unit builds upon previous work completed in EDUP3003 and EDUP4068. The focus for this unit will be vocabulary



development, the teaching of literature in multilingual classrooms, analysis of ESL implementation, and the carrying out of a small-scale research project.

#### EDUP4070

##### Integrated Arts (A) Special Course Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Robyn Gibson **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** 72 credit points of Professional Studies in Primary Education and EDUP1001 and EDUP3008 **Assessment:** A reflective portfolio derived from the in-school experience including planning processes for the work undertaken and a written critical reflection. Length and complexity appropriate for a final year unit of study. Criteria will be negotiated. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit of study provides students with the opportunity to further their knowledge, skills, techniques and understandings in the Creative Arts, building on earlier units in the Bachelor of Education (Primary) program. It also involves teaching creative arts in a school context. Integrated Arts Special Course comprises Integrated Arts A (Semester 1) and Integrated Arts B (Semester 2).

#### EDUP4071

##### Integrated Arts (B) Special Course Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** A/Prof Robyn Ewing, Dr Robyn Gibson **Session:** Semester 2 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** EDUP4070 **Assessment:** Assessment options will be negotiated with the students but are linked to unit outcomes and reflect the 4 credit point loading. Possible examples include: reflective scrapbook/portfolio; rationale for using Creative Arts in the primary school; critical responses to 'Arts' experiences **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit of study will further develop students' knowledge, skills, techniques and understandings in the Creative Arts, building on the unit of study undertaken in Semester 1.

#### EDUP4072

##### Koori Kids in School A (Special Course) Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Sharon Galleguillos **Session:** Semester 1 **Classes:** 2 hrs/wk for 10 wks **Prerequisites:** 72 credit points of Professional Studies in Primary Education **Assessment:** My Practicum School and Community (1000 wd report and Powerpoint presentation); Resource Evaluation and Presentation (1000 wd report and oral presentation); NAIDOC Week Lesson Plans (Two lesson plans in preparation for Practicum) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit of study aims to develop skills and knowledge that will enable students to address the many issues that face Indigenous pupils in the school environment. The unit focuses on the application of Aboriginal Studies in primary education and builds on the knowledge and skills gained in EDUP2006 Indigenous Australian Education. It is structured so that students, through lectures and workshops throughout Semester 1, are prepared to undertake their Practicum at a primary school with a significant cohort of Indigenous students and an Aboriginal Education Assistant (AEA). Students will be guided in the application of more extensive consultative mechanisms with Aboriginal communities, organisations and individuals.

#### EDUP4073

##### Koori Kids in School B (Special Course) Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Sharon Galleguillos **Session:** Semester 2 **Classes:** 2 hrs/wk for 10 wks **Prerequisites:** EDUP4072 **Assessment:** The role of the Aboriginal Education Assistant (1000 wd report and Powerpoint presentation); The role of the District Office (1000 wd report); Excursion resource (1500 wds) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit of study will build on the knowledge gained in Koori Kids in School A. The focus of this unit will be to further develop skills in preparation for their final practicum (internship) at a primary school with a significant cohort of indigenous students and an Aboriginal Education Assistant (AEA). Students will participate in workshops given by Department of Education and Training personnel concerning Indigenous education within districts throughout NSW. This unit of study will deepen the understanding of contemporary and traditional Indigenous Australian culture, skills and knowledge and how this affects learning through practical engagement with Indigenous students, educators and communities.

#### EDUP4074

##### Mathematics Education 3 Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Jennifer Way **Session:** Semester 1 **Classes:** 2 hours/week for 12 weeks **Prerequisites:** 72 credit points of Professional Studies in Primary Education including EDUP2005 and EDUP3004 **Assessment:** Assessment will include: the assessment and analysis of a child's mathematics ability (50%) (2000 words equivalent); an assessment based teaching plan (2000 words equivalent) (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit of study is designed to build on the content and ideas introduced in Mathematics Education 1 and 2 and reflects the growing international emphasis on the development of efficient mental computational strategies to enhance numeracy levels in Australia. The unit will explore how children's mathematical thinking strategies develop via research-based frameworks. Students will be introduced to suitable assessment instruments and a range of teaching/learning strategies suitable for enhancing the thinking strategies of children.

#### EDUP4075

##### Science & Technology (Designing/Making) Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Ms Christine Preston **Session:** Semester 1 **Classes:** 2 hrs/wk for 12 wks plus 1 hour lecture for 5 wks **Prerequisites:** 72 credit points of professional studies in Primary Education including EDUP2027, EDUP3005, EDUF1016 and EDUF 1017 **Assessment:** Individual evaluation of published mini unit of work (1000 wds) and group work redesign and expansion of the unit of work (2000 wds per student). Individual discussion of constructivist approaches to teaching science (1000 wds per student) and individual critical review of research into teaching about design and technology (1000 wds per student). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

Through an examination of the learning processes Designing & Making and Using Technology, this unit focuses on developing children's interest and skills in understanding and using technology. In particular, it considers design as a creative process, founded on an understanding of the natural and physical world which promotes science conceptual understanding. Teaching of these learning processes is supported by exploring the content strands of Built Environments, Information & Communications and Products and services. It considers aspects of curriculum planning, classroom management, development/selection of activities and resources relevant to the teaching of technology. It also emphasises the linking of science and technology to other areas of the K-6 curriculum.

#### EDUP4076

##### English: Being Critically Literate Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Alyson Simpson **Session:** Semester 1 **Classes:** 1 hr lecture plus 1 hr workshop per week for 11 wks plus 4 hr online component **Prerequisites:** 72 credit points of professional studies in Primary Education including EDUP2002 and EDUP3006 **Assessment:** Child literacy profile 1000 wds (25%); Scenario responses 1000 wds (25%); literature based unit of work 2000 wds (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit of study is focussed on work with the strands of Reading, Writing, Talking and Listening through the use of literary texts in the classroom. Literary texts such as picture books, novels, biographies, plays and poetry as well as other texts of popular culture will be used as the basis for preparation for teaching English to children in the middle years (NSW Stages 2 and 3, grades 3,4,5 and 6). The emphasis will be on developing children's critical comprehension and creative composition of a range of literary texts. Understanding how to assess a child's strengths and needs in reading, writing, speaking and listening will also be an important component of this unit.

#### EDUP4077

##### Teaching Children with Special Needs Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Assoc Prof David Evans **Session:** Semester 2 **Classes:** 1 one hr lecture; 2 three hr in-school sessions for 10 wks **Prerequisites:** 72 credit points of Professional Studies in Education including EDUP3004 and EDUP3006 **Assessment:** Complete sequence of tutoring sessions in schools, including planning a literacy/numeracy program, implementing an evaluation plan. In addition, keep journal of experiences with links to literature. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

Under the supervision of tutors, students will complete a series of tutoring sessions in schools. During this time, students will develop individualised literacy and numeracy plans, implement plans with a child, evaluate teaching outcomes and plan for ongoing sessions. During this experience, students will keep a journal of teaching experiences, including making links between practice and the research literature, and critique current literature that relates to their school-based work.

#### EDUP4079

##### Professional Experiences 3 (Primary) Education and Social Work

**Credit points:** 4 **Teacher/Coordinator:** Dr Tony Loughland **Session:** Semester 1 **Classes:** Six lectures and tutorials; 20 day practicum **Prerequisites:** 72 credit points of Professional Studies in Primary Education including EDU1002, EDUP2027 and EDUP3007 **Assessment:** Assessment will be in the form of a satisfactory practice teaching report and a professional portfolio **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit of study incorporates the year's final professional experience before the internship and continues students' development as reflective practitioners building on Professional Experiences 1 and 2. Students will synthesise their professional learning to create their graduate teacher portfolio and complete a 20 day practicum in a school.

#### EDUP4080

##### Human Society and its Environment 2 Education and Social Work

**Credit points:** 4 **Session:** Semester 2 **Classes:** 2 hours/week for 10 weeks **Prerequisites:** 72 credit points of Professional Studies in Education including EDUP3002 **Assessment:** Development of community resources for teaching (40%); Appraisal of school HSIE curriculum materials (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Ed (Primary), UG Study Abroad Program.

This unit of study allows students to demonstrate their understanding of how to develop and use HSIE resources at several levels, including global, national, statewide, community, and school resources. Students will be required to demonstrate both the critical and imaginative use of a global or community resource for the teaching of HSIE. Students will also be required to investigate, critique and enhance the use of school resources for the teaching of HSIE. In particular, students will explore the resources from their professional experience school and reflect on how such resources might be developed to maximise the effective HSIE learning for students in their own classrooms.

#### ELEC1103

##### Fundamentals of Elec and Electronic Eng

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours of lectures and an average of 2 hours lab, 2 hours tutorial per week. **Prohibitions:** ELEC1102 Foundations of Electronic Circuits. **Assumed knowledge:** HSC Physics, HSC Mathematics extension 1. **Assessment:** Tutorial participation 5%, laboratory performance and notebook 5%, laboratory exam 10%, mid-term exam 25% and end of semester examination 55%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit of study aims to develop knowledge of the fundamental concepts and building blocks of electrical and electronics circuits. The following specific topics are covered: Basic electrical and electronic circuit components and electric circuits. Circuit voltage and current laws, node and mesh analysis theorems, circuit theorems. The operational amplifier, energy storage, capacitors and inductors, circuits with switches, transient response, sinusoidal waveforms and complex analysis, phasors, impedance, ac power.

#### ELEC1601

##### Foundations of Computer Systems Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hours of lectures, a 2 hours tutorial and a 2 hours lab per week. **Prohibitions:** NETS2008 Computer System Organisation, NETS2908 Computer System Organisation (Adv), COMP2001 Computer Systems, COMP2901 Computer Systems (Adv). **Assumed knowledge:** HSC Mathematics extension 1 **Assessment:** Laboratory performance and laboratory exam 20%, tutorial attendance, performance and report 5%, end of semester examination (closed book) 75%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit of study introduces the fundamental digital concepts upon which the design and operation of modern digital computers are based. A prime aim of the unit is to develop a professional view of, and a capacity for inquiry into, the field of computing.

The unit covers the fundamental digital concepts upon which the design and operation of modern digital computers are based. Topics covered include: data representation, basic computer organisation, the CPU, elementary gates and logic, peripheral devices, software organisation, machine language, assembly language, operating systems, data communications and computer networks.

#### ELEC2004

##### Electrical Engineering: Foundations Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours of lectures and an average of 1 hour of tutorial and 1 hour of lab per week. **Prerequisites:** 36 credit points **Prohibitions:** ELEC1001 Introductory Electrical Engineering, ELEC1101 Foundations of Computer Systems, ELEC1102 Foundations of Electronic Circuits, ELEC2001 Electrical and Electronic Engineering, ELEC2003 Electrical and Electronic Engineering A, ELEC1103 Professional Electronic Engineering, ELEC1601 Professional Computer Engineering. **Assessment:** Tutorials and quizzes 10%, lab performance and notebook 10%, assignment 5%, closed book exam 75%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study assumes a degree of basic research skills and ability to grasp engineering principles; information literacy; personal and intellectual autonomy; communication skills.

The following topics are covered. Introduction to circuits: current and voltage, power, Kirchhoff's Laws, sources and resistors, Ohm's Law, series and parallel connections, voltage divider, equivalent circuits. Inductors and capacitors: capacitance, inductance, inductors in series/parallel, RC circuits, RL circuits, transient and steady state, introduction to RLC circuits. Power transmission: sinusoidal signals, phasors, power in ac circuits, balanced 3-phase circuits. Transformers: characteristics of ideal transformers, introduction to magnetisation and non-ideal behaviour. Electromechanical energy conversion: machine types, DC machines, field connections, introduction to ac and induction machines. Operational amplifiers: ideal op amp, inverting amplifier, noninverting amplifier, design and gain-bandwidth product, simple filters. Logic circuits: basic concepts, number representations, combinatorial logic circuits, sequential logic circuits, introduction to

CMOS digital circuits. Introduction to microprocessors: organization, memory, process control, instruction sets, addressing and interfacing.

### ELEC2103

#### Simulation & Numerical Solutions in Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 hour lecture, 3 hours of computer lab per week **Prohibitions:** ELEC2102 Engineering Computing, COSC1001 Computational Science in Matlab, COSC1901 Computational Science in Matlab (Advanced). **Assumed knowledge:** 36 credit points including ELEC1102 Foundations of Electronic Engineering or ELEC1103 Professional Electronic Engineering. **Assessment:** Mid-semester test 12%, lab performance and notebook 8%, assignment 8%, end of semester closed book exam 72%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit assumes an understanding of the fundamental concepts and building blocks of electrical and electronics circuits. As well as covering the specific topics described in the following paragraphs, it aims to develop skills in professional project management and teamwork and promote an understanding of ethics.

Basic features of Matlab. The Matlab desktop. Interactive use with the command window. Performing arithmetic, using complex numbers and mathematical functions. Writing script and function m-files. Matrix manipulations. Control flow. Two dimensional graphics. Application of Matlab to simple problems from circuit theory, electronics, signals and systems and control. Investigation of the steady state and transient behaviour of LCR circuits.

Matlab based numerical solutions applicable to numerical optimization, ordinary differential equations, and data fitting. Introduction to symbolic mathematics in Matlab. Applications, including the derivation of network functions for simple problems in circuit analysis. Introduction to the use of Simulink for system modelling and simulation.

### ELEC2104

#### Electronic Devices and Circuits Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hours of lectures per week, and a 2 hours tutorial and 2 hours lab per fortnight. **Prohibitions:** ELEC2401 Introductory Electronics. **Assumed knowledge:** ELEC1102 Foundations of Electronic Circuits or ELEC1103 Professional Electronic Engineering. **Assessment:** Laboratory work 15%, on-line exercises 5%, mid-semester quiz 10%, end of semester examination 70%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

The purpose of this unit of study is to provide a working knowledge of fundamental principles of electronic engineering. The topics covered include circuit theory and microelectronics. A background in introductory circuit theory is assumed.

The following specific topics are covered. Semiconductor diodes: junction diodes, special purpose diodes. Transistors: field effect and bipolar transistors. Large signal amplifiers: practical amplifiers, differential amplifiers, biasing circuits. Operational amplifiers: circuit applications.

### ELEC2302

#### Signals and Systems Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hours of lectures and a 2.5 hours lab/tutorial per week. **Prohibitions:** ELEC2301 Signals & Systems, MATH3019 Signal Processing, MATH3919 Signal Processing (Adv). **Assumed knowledge:** MATH1001 Differential Calculus and MATH1002 Linear Algebra and MATH1003 Integral Calculus and Modelling. **Assessment:** Weekly quizzes 10%, mid-semester exam 25%, end of semester exam 65%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit aims to teach some of the basic properties of many engineering signals and systems and the necessary mathematical tools that aid in this process. The particular emphasis is on the time and frequency domain modeling of linear time invariant systems. The concepts learnt in this unit will be heavily used in many units of study (in later years) in the areas of communication, control, power systems

and signal processing. A basic knowledge of differentiation and integration, differential equations, and linear algebra is assumed.

The following topics are covered. Continuous-time signals: classification and properties. Basic properties of systems: linearity, time-invariance, causality, and stability. Linear time-invariant (LTI) systems: characterization by differential equations (including state space formulation), and the convolution integral. Fourier series and Fourier Transform: definition, properties, frequency response and analysis of LTI systems based on Fourier transform. Sampling. Correlation and Power Spectral Density. Laplace transform: definition, properties, and analysis of LTI systems based on Laplace transform. Solution of state space equations using Laplace transform.

### ELEC2602

#### Digital System Design Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 hour of lectures per week and 9 three hours labs. **Prohibitions:** ELEC3601 Digital Systems Design, ELEC3608 Digital Systems Design. **Assumed knowledge:** ELEC1101 Foundations of Computer Systems or ELEC1601 Professional Computer Engineering. **Assessment:** Homework 10%, Laboratory 20%, Mid-semester exam 10%, a 2 hour end of semester exam 60%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit of study assumes some knowledge of digital data representation and basic computer organisation.

The following topics are covered: logic operations, theorems and Boolean algebra, number operations (binary, hex, integers and floating point), combinational logic analysis and synthesis, sequential logic, registers, counters, bus systems, state machines, simple CAD tools for logic design, and the design of a simple computer.

### ELEC3104

#### Engineering Electromagnetics Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours of lectures and a 2 hours tutorial per week. **Prohibitions:** ELEC3102 Engineering Electromagnetics. **Assumed knowledge:** PHYS2213 Physics 2EE (or PHYS2203 Physics 2EE) and MATH2061 Linear Algebra and Vector Calculus (or MATH2001 Vector Calculus and Complex Variables) and ELEC1103 Professional Electronic Engineering (or ELEC1102 Foundations of Electronic Circuits). **Assessment:** Assignments 30%, end of semester exam 70%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit builds upon the knowledge of differential calculus, integral calculus, vector integral calculus (line integrals and surface integrals); electrical circuit theory and analysis using lumped elements; fundamental electromagnetic laws and their use in the calculation of static fields. It introduces students to the broad spectrum of engineering electromagnetics and helps students to develop theoretical and analytical skills in the area of electrical and telecommunications engineering and develop understanding of the basic electromagnetic theory underpinning optical communications, wireless communications and electrical engineering.

Topic areas include: static electric fields; static magnetic fields; time-varying fields and Maxwell's equations; plane electromagnetic waves; transmission lines; antennas and arrays.

### ELEC3105

#### Circuit Theory and Design Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hours of lectures and a 2 hours laboratory/tutorial per week. **Prohibitions:** ELEC3101 Circuit Theory and Design. **Assumed knowledge:** (ELEC2101 Circuit Analysis or ELEC2104 Electronic Devices and Basic Circuits) and (ELEC2301 Signals and Systems or ELEC2302 Signals and Systems). **Assessment:** Assignments 30%, a 2 hour exam at end of semester 70%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study assumes a basic knowledge of elementary circuit theory and operational amplifiers provided by earlier units. One aim of the unit is to enhance understanding of key aspects of the theory

of electric circuits. The main goal, however, is to equip students with the specialist knowledge to design active analog filters, to have an understanding of passive network design and to be in a good position to undertake further self study as required.

The specific topics covered include the following. Fundamental concepts in circuit theory: network functions, characteristic frequencies. Types of filter: lowpass, bandpass, etc. Review of operational amplifiers. Design of first and second order filters using operational amplifiers. Cascade design. Filter characteristics: Butterworth, Chebyshev. Frequency transformations in design. Sensitivity. Design of passive LC ladder filters. A brief introduction to switched capacitor filters.

Matlab and a Spice simulator will be used extensively.

### **ELEC3203** **Electricity Networks** **Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hours of lectures and a 3 hours lab per week and 1 hour tutorial per week. **Prohibitions:** ELEC3201 Electrical Energy Systems. **Assumed knowledge:** ELEC2101 Circuit Analysis or ELEC2104 Electronics and Basic Circuits. **Assessment:** Tutorial and laboratory work 20%, mid semester quiz 10%, end of semester examination 70%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study provides an introduction to electrical power engineering and lays the groundwork for more specialised units. It assumes a competence in first year mathematics (in particular, the ability to work with complex numbers), in elementary circuit theory and in elements of introductory physics.

A revision will be carried out of the use of phasors in steady state ac circuit analysis and of power factor and complex power.

The unit comprises an overview of modern electric power system with particular emphasis on generation and transmission.

The following specific topics are covered. The use of three phase systems and their analysis under balanced and unbalanced conditions. Transmission lines: calculation of parameters, modelling, analysis. Transformers: construction, equivalent circuits. Generators: construction, modelling for steady state operation. Cables: types and modelling for steady state operation. Types of electricity grids, radial, mesh, networks.

The use of per unit system. The analysis of systems with a number of voltage levels. The control of active and reactive power. The load flow problem: bus and impedance matrices, solution methods.

### **ELEC3204** **Power Electronics and Applications** **Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours of lectures per week, 1 hour tutorial per fortnight and 3 hours lab per fortnight. **Prohibitions:** ELEC3202 Power Electronics and Drives. **Assumed knowledge:** ELEC2401 Introductory Electronics or ELEC2104 Electronic devices and basic circuits or ELEC2001 Electrical and Electronic Engineering or ELEC2003 Electrical and Electronic Engineering A. **Assessment:** Laboratory work 20%, mid-semester exam 20% and end of semester exam 60%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit of study is concerned with modern electronic energy conversion techniques. A background in basic electrical and magnetic circuit theory is assumed. Completion of this unit will facilitate progression to advanced study or work in electrical power engineering.

The following specific topics are covered: Power Electronics for Drives: AC-AC converters including static switches and cycloconverter. AC-DC converters including diode rectifiers and thyristor converter. Power quality of AC-DC converters. DC-DC switching converters including buck, boost, buck-boost, first-quadrant, two-quadrant and four-quadrant motor drives. Electronic control of DC motor, induction motor. DC traction. Brushless DC drives. Electric and hybrid electric vehicles.

### **ELEC3206** **Electrical Energy Conversion Systems** **Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours of lectures per week, 1 hour tutorial per fortnight and 3 hours lab per fortnight. **Assumed knowledge:** ELEC2104 Electronic Devices and Circuits. **Assessment:** Tutorial and laboratory work 20%, mid semester exam 20% and final exam 60%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

The following specific topics are covered: Single-phase and three-phase circuits, magnetic circuits, inductance, sinusoidal excitation, hysteresis and eddy current loss, permanent magnets, electromechanical energy conversion, singly-excited and doubly-excited systems, transformers, single-phase, equivalent circuit parameters, three-phase transformers, autotransformers, DC machines, DC generators, separate excitation, shunt excitation, series excitation, and compound excitation, DC motors, efficiency, armature reaction, induction machines, revolving field, equivalent circuit, squirrel cage machines, measurements of the parameters, DC resistance test, no-load test, blocked-rotor test, synchronous machines, field relationships, synchronous generators, power-angle relationships, salient pole machines.

### **ELEC3304** **Control** **Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hours of lectures and a 3 hours lab/tutorial per week. **Prohibitions:** ELEC3302 Fundamentals of Feedback Control, MECH3800 Systems Control, AMME3500 System Dynamics and Control, CHNG3302 Process Control. **Assumed knowledge:** ELEC2301 Signals and Systems or ELEC2302 Signals and Systems. **Assessment:** Tutorial and laboratory work 15%, Midterm examination 25%, Final examination 60%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit is concerned with the application of feedback control to continuous-time, linear time-invariant systems. The emphasis is on fundamental theory rather than applications. Some background in linear systems theory and the Laplace transform is assumed. The prime aim of this unit of study is to develop a sound understanding of basics and a capacity for research and inquiry. Completion of the unit will facilitate progression to advanced study in the area and to work in industrial control.

The following topics are covered. History of control. Modelling of physical processes; state variables and differential equations. Dynamic response; review of Laplace transform, transfer functions and block diagrams, poles and zeroes. Design specifications in the time domain. Basic feedback principles; effect of feedback on sensitivity and disturbance rejection, steady state accuracy and stability; the Routh criterion; proportional, integral and derivative control. Design using the root locus; rules for sketching root locus; lead and lag compensators; analogue and digital implementation of controllers. Frequency response; the Nyquist stability criterion; gain and phase margins; compensator design in the frequency domain. An introduction to state space design for single input single-output systems; eigenvalues, zeroes and transfer functions; state variable feedback and design of estimators.

### **ELEC3305** **Digital Signal Processing** **Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours of lectures and a 2 hours lab/tutorial per week. **Prohibitions:** ELEC3303 Digital Signal Processing. **Assumed knowledge:** ELEC2301 Signals & Systems or ELEC2302 Signals & Systems. **Assessment:** Quizzes & Lab 12%, project 10% (bonus), midterm exam 28%, end of semester exam 60%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit aims to teach how signals are processed by computers. It describes the key concepts of digital signal processing, including details of various transforms and filter design. Students are expected

to implement and test some of these ideas on a digital signal processor (DSP). Completion of the unit will facilitate progression to advanced study in the area and to work in the industrial use of DSP. This unit assumes a basic knowledge of differentiation and integration, differential & difference equations and linear algebra, plus various time and frequency domain representations of continuous time signals and systems.

The following topics are covered. Review of analog and digital signals. Analog to digital and digital to analog conversion. Some useful digital signals. Difference equations and filtering. Impulse and step response of filters. Convolution representation of filters. The Z-transform. Transfer functions and stability. Discrete time Fourier transform (DTFT) and frequency response of filters. Finite impulse response (FIR) filter design: windowing method. Infinite impulse response (IIR) filter design: Butterworth filters, Chebyshev filters, Elliptic filters and impulse invariant design. Discrete Fourier Transform (DFT): windowing effects. Fast Fourier Transform (FFT): decimation in time algorithm. DSP hardware.

### ELEC3404

#### Electronic Circuit Design

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours of lectures per week, and a 1 hour tutorial and 3 hours lab per fortnight. **Prohibitions:** ELEC3401 Electronic Devices and Circuits. **Assessment:** Laboratory work 15%, on-line exercises 5%, mid-semester quiz 10%, end of semester exam 70%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit of study aims to teach students analysis and design techniques for electronic systems such as signal amplifiers, differential amplifiers and power amplifiers. A background in basic electronics and circuit theory is assumed. Completion of this unit will allow progression to advanced studies or to work in electronics and telecommunication engineering.

Topics covered are as follows. The BJT as an amplifier. Biasing in BJT amplifier circuits. Small signal operation and models. Single stage BJT amplifiers. BJT internal capacitances and high frequency models. The frequency response of the common-emitter amplifier. BJT current sources and current mirrors. Differential amplifiers. Output stages and power amplifiers: class A, class B and class AB.

### ELEC3405

#### Communications Electronics and Photonics

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hours of lectures and a 2 hours lab/tutorial per week. **Prohibitions:** ELEC3402 Communications Electronics. **Assumed knowledge:** ELEC2401 Introductory Electronics or ELEC2104 Electronic Devices and Basic Circuits. **Assessment:** Labs and assignments 20%, end of semester exam 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit of study provides an introduction to the modelling and design of transmitters and receivers for electronic and optical communication subsystems. Students are expected to have a grasp of basic concepts related to electronics and circuits.

The following topics are covered. Electronic oscillators, RC, LC, crystal oscillators. Tuned electronic amplifiers, frequency selectivity. Feedback amplifiers. Electronic modulation and demodulation circuits, amplitude, frequency and phase modulation and demodulation, phase locked loops. Electronic mixers. High frequency RF and microwave communication amplifiers. Photonic devices and models, semiconductor optical properties. Semiconductor lasers and light emitting diodes, laser modes, output spectra, single-mode selection, distributed feedback lasers. Electro-optic modulation of light. Optical amplifiers. Photodetectors, PIN photodiodes, avalanche photodiodes. Optical receiver front-end circuit design. Basic opto-electronic link.

### ELEC3505

#### Communications

### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours of lectures and a 3 hours lab and tutorial per week. **Prohibitions:** ELEC3503 Introduction to Digital Communications. **Assessment:** Tutorial work 10%, laboratory 10%, in class quiz 10%, end of semester exam 70%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This is an intermediate unit of study in telecommunications following on the general concepts studied in earlier units such as Signal and Systems and leading on to more advanced units such as Digital Communication Systems. Student will learn how to critically design and evaluate digital communication systems including the elements of a digital transmission system, understand the limitations of communications channels, different analog and digital modulation schemes and reasons to use digital techniques instead of analog, and the effect of noise and interference in performance of the digital communication systems. On completion of this unit, students will have sufficient knowledge of the physical channel of a telecommunications network to approach the study of higher layers of the network stack.

The following topics are covered. Introduction to communications systems, random signals and stochastic process, components, signals and channels, sampling, quantization, pulse amplitude modulation (PAM), pulse code modulation (PCM), quantization noise, time division multiplexing, delta modulation. Digital communications: baseband signals, digital PAM, eye diagram, equalization, correlative coding, error probabilities in baseband digital transmission, bandpass transmission, digital amplitude shift keying (ASK), frequency shift keying (FSK), phase shift keying (PSK) and quadrature shift keying (QPSK), error probabilities in bandpass digital transmission, a case study of digital communication systems. Introduction to information theory: fundamental limits in communications, channel capacity and channel coding, signal compression.

### ELEC3506

#### Data Communications and the Internet

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hours of lectures and a 2 hours lab/tutorial per week. **Prohibitions:** NETS2150 Fundamentals of Networking, NETS2009 Network Organisation, NETS2909 Network Organisation (Adv), NETS3007 Network Protocols, NETS3907 Network Protocols (Advanced), ELEC3504 Data Communications and the Internet, ELEC4501 Data Communication Networks. **Assumed knowledge:** SOFT2004 Software Development Methods 1 or COMP2004 Programming Practice or SOFT2130 Software Construction. **Assessment:** Mid-semester exam 20%, assignment 10%, lab exercises 10%, end of semester exam 60%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B Sc, UG Study Abroad Program.

Students undertaking this unit should be familiar with fundamental digital technologies and representations such as bit complement and internal word representation. Students should also have a basic understanding of the physical properties of communication channels, techniques and limitations. Furthermore, students should be able to apply fundamental mathematical skills.

The unit will cover the following specific material: Communication reference models (TCP/IP, ATM and OSI). Circuit switched and packet switched communication. Network node functions and building blocks. LAN, MAN and WAN technologies. ATM systems. Protocols fundamental mechanisms. The TCP/IP core protocols (IP, ICMP, DHCP, ARP, TCP, UDP etc.). Applications and protocols (FTP, Telnet, SMTP, HTTP etc.).

### ELEC3607

#### Embedded Computing

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 hour of lectures per week and 10 three hours labs. **Prohibitions:** ELEC2601 Microcomputer Systems. **Assumed knowledge:** ELEC1101 Foundations of Computer Systems, or ELEC1601 Professional Computer Engineering or ELEC2602 Digital System Design. **Assessment:** Lab 10%, end of semester exam 90%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

Students undertaking this unit of study are assumed to have a basic understanding of digital concepts, and combinational and sequential devices, together with an introduction to computers.

The aim of this unit of study is to teach students about microprocessors and their use. This includes architecture, programming and interfacing of microcomputers, peripheral devices and chips, data acquisition, device monitoring and control and other communications.

### ELEC3609

#### Internet Software Platforms

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hours lecture and 2 hours tutorials **Prerequisites:** INFO1103, INFO2110, INFO2120 **Prohibitions:** EBUS4001 E-Business Engineering **Assessment:** Project tasks 40%, Quiz 10% and Final Exam: Based on the course material and the additional readings worth 50%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B Sc, UG Study Abroad Program.

This unit of study will focus on the design, the architecture and the development of web applications using technologies currently popular in the marketplace including Java and .NET environments. There are three key themes examined in the unit: Presentation layer, Persistence layer, and Interoperability. The unit will examine practical technologies such as JSP and Servlets, the model-view-controller (MVC) architecture, database programming with ADO.NET and JDBC, advanced persistence using ORM, XML for interoperability, and XML-based SOAP services and Ajax, in support of the theoretical themes identified.

On completion the students should be able to:

- Compare Java/J2EE web application development with Microsoft .NET web application development.
- Exposure to relevant developer tools (e.g. Eclipse and VS.NET)
- Be able to develop a real application on one of those environments.
- Use XML to implement simple web services and AJAX applications.

### ELEC3610

#### E-Business Analysis and Design

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 hour lecture and 3 hours Labs each week. **Prerequisites:** INFO2120 **Prohibitions:** EBUS3003 E-Business System Design, EBUS3001 Introduction to e-Commerce Systems **Assessment:** Project Specification Document worth 40%, Project Prototype (website) worth 10% and Final Exam worth 50%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Dig Tech & Culture), B A Informatics, B E, B Sc, UG Study Abroad Program.

The unit focuses on the aspects of analysis, project specification, design, and prototype that lead up to the actual build of a website or application.

Topics include:

- technology fundamentals,
- business models (B2C, B2B and B2E systems),
- development methodologies, including writing use cases and UML diagrams), the Project Proposal and Project Specification Document,
- prototyping approaches: Ruby on Rails and WebRatio
- Other quality factors: Information Architecture, Fundamentals of HCI and User-Centred Design, legal issues, and standards-based web development.

Students build a simple use-case based e-business website prototype with web standards. A final presentation of the analysis, design and prototype are presented in a role play environment where students try to win funding from a venture capitalist.

An understanding of these pre-production fundamentals is critical for future IT and Software Engineering Consultants, Project Managers, Analysts and CTO's.

Specific topics covered include:

- Electronic Commerce Technology Fundamentals
- The e-project

- Prototyping with Ruby on Rails and WebRatio
- B2C, B2B and B2E systems.

### ELEC3702

#### Management for Engineers

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hours of lectures plus a 1 hour visiting professional or team-based interaction exercise per week. **Prohibitions:** ELEC3701 Management for Engineers, ENGG3005 Engineering & Industrial Management Fundamentals, MECH3661 Engineering Management **Assumed knowledge:** Nil **Assessment:** Essay 20%, projects 30%, end of semester exam 50%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study aims to develop an understanding of the principles and practices of industry, to provide an overview of the various issues facing an industrial organisation, and of the basic approaches to their management, to understand the changing nature and effects of globalisation on Australia's economic performance, the competitiveness of Australian firms, and the generation of employment and wealth, to gain an insight into the importance of innovation at all levels and functions of all organisations, and of the ways of developing people-skills and organisational styles to promote innovation, to develop the broader skills required by employers of engineers, and to understand the objectives and roles appropriate to governments.

The following topics are covered; Introduction to engineers and management, Strategic planning, Operations and project management, Communication and people in organisations, Management and leadership, Economics and managerial finance, Accounting and management, Marketing, Human Resource Management, Industrial relations, The global knowledge economy, Legal and ethical environment of business.

### ELEC3802

#### Fundamentals of Biomedical Engineering

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours of lectures and 2 hours of lab/tutorial per week. **Prohibitions:** ELEC3801 Fundamentals of Biomedical Engineering. **Assumed knowledge:** ELEC2104 Electronic Devices and Basic Circuits or ELEC2401 Introductory Electronics or ELEC2001 Electrical and Electronic Engineering or ELEC2003 Electrical and Electronic Engineering A or ELEC2004 Electrical Service Unit. **Assessment:** Lab assignments 20%, end of semester exam 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit assumes a knowledge of basic principles in physics, mathematics, circuit theory and electronics. In particular, some understanding of the following is required: Thevenins and Nortons theorems, Fourier analysis, radiation, filtering, bipolar and field effect transistors, and operational amplifiers.

The following topics are covered. Biology of the heart, circulatory and respiratory systems, physiology of nerve and muscle cells, fundamental organization of the brain and spinal cord. Medical instrumentation. ElectrocardioGram and automated diagnosis. Heart pacemakers and defibrillators. The bionic ear. Apparatus for treatment of sleep disordered breathing(sleep apnoea).

This unit is descriptive and does not require detailed knowledge of electronics or mathematics, but does require an understanding of some key aspects of mathematical and electronic theory. The unit concentrates on some of the practical applications of biomedical engineering to patient diagnosis and treatment.

### ELEC3901

#### Electrical Exchange Unit 1A

#### Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Dr. Yash Shrivastava **Session:** Semester 1 **Classes:** A workload that is equivalent to one quarter of that of a (normal) full time student at the exchange university. **Assessment:** Assessment is set by the exchange university. A Pass/Fail grade is awarded by the University of Sydney in this unit. Thus the marks obtained at the exchange university will not be included in WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

This is a unit for students who have gone on exchange.

### ELEC3902

#### Electrical Exchange Unit 1B

##### Engineering and Information Technologies

**Credit points:** 12 **Teacher/Coordinator:** Dr. Yash Shrivastava **Session:** Semester 1 **Classes:** A workload that is equivalent to one half of that of a (normal) full time student at the exchange university. **Assessment:** Assessment is set by the exchange university. A Pass/Fail grade is awarded by the University of Sydney in this unit. Thus the marks obtained at the exchange university will not be included in WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

This is a unit for students who have gone on exchange.

### ELEC3903

#### Electrical Exchange Unit 1C

##### Engineering and Information Technologies

**Credit points:** 24 **Teacher/Coordinator:** Dr Yash Shrivastava **Session:** Semester 1 **Classes:** A workload that is equivalent to that of a (normal) full time student at the exchange university. **Assessment:** Assessment is set by the exchange university. A Pass/Fail grade is awarded by the University of Sydney in this unit. Thus the marks obtained at the exchange university will not be included in WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

This is a unit for students who have gone on exchange.

### ELEC3904

#### Electrical Exchange Unit 2A

##### Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Dr. Yash Shrivastava **Session:** Semester 2 **Classes:** A workload that is equivalent to one quarter of that of a (normal) full time student at the exchange university. **Assessment:** Assessment is set by the exchange university. A Pass/Fail grade is awarded by the University of Sydney in this unit. Thus the marks obtained at the exchange university will not be included in WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

This is a unit for students who have gone on exchange.

### ELEC3905

#### Electrical Exchange Unit 2B

##### Engineering and Information Technologies

**Credit points:** 12 **Teacher/Coordinator:** Dr. Yash Shrivastava **Session:** Semester 2 **Classes:** A workload that is equivalent to one half of that of a (normal) full time student at the exchange university. **Assessment:** Assessment is set by the exchange university. A Pass/Fail grade is awarded by the University of Sydney in this unit. Thus the marks obtained at the exchange university will not be included in WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

This is a unit for students who have gone on exchange.

### ELEC3906

#### Electrical Exchange Unit 2C

##### Engineering and Information Technologies

**Credit points:** 24 **Teacher/Coordinator:** Dr. Yash Shrivastava **Session:** Semester 2 **Classes:** A workload that is equivalent to that of a (normal) full time student at the exchange university. **Assessment:** Assessment is set by the exchange university. A Pass/Fail grade is awarded by the University of Sydney in this unit. Thus the marks obtained at the exchange university will not be included in WAM calculations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

This is a unit for students who have gone on exchange.

### ELEC4505

#### Digital Communication Systems

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours of lectures and a 2 hours lab/tutorial per week. **Prohibitions:** ELEC4502 Digital Communication Systems. **Assumed knowledge:** ELEC3505 Communications or ELEC3503 Introduction to Digital Communications. **Assessment:** Through semester assessment and an end of semester exam (approx. 70%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

Digitally modulated signals: non-linear modulation methods, continuous phase FSK, continuous phase modulation. Modulated carrier data transmission: QPSK, QAM, MFSK, MSK. Trellis coded modulation and modem technologies. Spread spectrum, including frequency hopping and CDMA principles. Plus selected topics from: Optical communication systems - single and multi-channel systems, performance criteria and systems analysis. Satellite communications systems. Cellular mobile radio systems.

### ELEC4605

#### Computer Architecture

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours of lectures and a 2 hours lab/tutorial per week. **Prohibitions:** ELEC4601 Computer Design. **Assumed knowledge:** (ELEC1601 Professional Computer Engineering or ELEC1101 Foundations of Computer Systems) and (ELEC2601 Microprocessor Systems or ELEC3607 Embedded Computing) and (ELEC2602 Digital System Design or ELEC3601 Digital Systems Design or ELEC3608 Digital Systems Design). **Assessment:** Laboratory 5%, tutorial 5%, end of semester exam 90% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B C S T (Hons), B E, B I T, B I T (Hons), UG Study Abroad Program.

The digital systems design process. The design cycle. Top down design. Specification. Functional design. Structural design. Testing. Hardware description languages such as Verilog or VHDL. Digital systems architectures. Processors, buses and I/O devices. Synchronous, asynchronous and semi-synchronous buses. Bus interconnections. Memory and I/O interface design. Static and dynamic memory design. Memory interfacing. Interrupts. Vectored interrupts. Interrupt controllers. Parallel interface design. Serial interface design. Bus arbitration. Processor interfacing. IBM PC interfacing. PCB and packaging design, grounding, shielding and power distribution, some case studies.

### ELEC4702

#### Practical Experience

##### Engineering and Information Technologies

**Session:** Semester 1, Semester 2 **Classes:** Not applicable. **Prerequisites:** 24 credit points of level 3 or 4 units of study. **Assessment:** Submission of a written report. **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B E, UG Study Abroad Program.

Core unit of study for the degrees in Computer, Electrical, Software and Telecommunications Engineering and Electronic Commerce.

The Bachelor of Engineering degree requires students to obtain industrial work experience of twelve weeks (60 working days) duration towards satisfying the requirements for award of the degree. Students may undertake their work experience after completion of a minimum of 24 credit points of Year 3 units of study when they have built up a sufficient background of engineering. In general, the type of job that is acceptable for work experience should be in an engineering environment but not necessarily in the same discipline of the degree the student is pursuing. The student is required to inform the School of any work arrangements made by email.

Assessment in this unit is by the submission of a written report of about 4-6 pages on the industrial experience undertaken. The report is to describe the overall structure of the company, the areas that the student became familiar with and their relationship to the firm and, finally, what the student did. A certificate from the company stating the period of employment and the type of work you have undertaken



should be attached to your report. The student should inform the company that a short report on the work experience is to be submitted to the School.

The report is to be submitted to the School electronically (see details on the course website). There is no deadline for submission of the report but it is a good practice to submit it in the first two weeks after the new semester started.

#### ELEC4706

##### Project Management

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours of lectures per week. **Prohibitions:** ELEC4701 Project Management. **Assessment:** Take-home mini-assignments (20%), Assignment (20%), End of Semester Exam (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

The various aspects of the design process, namely the following.

Engineering design. The design process. Understanding the client's problem. Functions and specifications. Finding answers to the problem. Reporting the outcome. Managing the design process. Design for manufacture, cost, reliability, quality and sustainability. Ethics in design.

#### ELEC4710

##### Engineering Project A

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** There are no lectures for this unit. However, the students are expected to spend at least one full day per week undertaking background research work, organizing their plan of work and preparing their experimental or developmental program. **Prohibitions:** ELEC4703, ELEC4705, ELEC4707 **Assumed knowledge:** 36 credit points of units of study from level 3 and above. **Assessment:** The progress at the end of Engineering Project A will be evaluated by the supervisor based on the thoroughness of the proposed program and the progress achieved during the semester. The student can only progress to Engineering Project B on attainment of a satisfactory result in Engineering Project A. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study builds on the technical competencies introduced in the previous years. The project work is spread over two units (Engineering Project A and B). In Engineering Project A, students are required to plan and begin work on their project and roughly complete half the work required for the whole 'final year' project. In particular, it should include almost all the planning, literature review, and a significant proportion of the experimental or analytical work required of the project. The student will prepare a Progress Report at the end of semester detailing the context of the problem, relevant background research and progress to date. The progress at the end of Engineering Project A will be evaluated by the supervisor based on the thoroughness of the proposed program and the progress achieved during the semester. The student can only progress to Engineering Project B on attainment of a satisfactory result in Engineering Project A.

In Engineering Project B, the students are required to complete the remaining aspects of the project, present their results to their peers and academic staff in a seminar format, and prepare and submit a detailed Treatise.

The final grade is based on the work done in both Engineering Project A and B, and will be awarded upon successful completion of Engineering Project B.

#### ELEC4711

##### Engineering Project B

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** There are no lectures for this unit. However, the students are expected to spend at least one full day per week to complete the remaining aspects of the project, and present their results in a seminar format, and prepare a detailed Treatise. **Prerequisites:** ELEC4710 Engineering Project A **Prohibitions:** ELEC4703, ELEC4705, ELEC4707 **Assumed knowledge:** 36 credit points of units of study from level 3 and above **Assessment:** Management 20%, Presentation 20% and Written Treatise 60%. The final grade is based on the work done in both Engineering Project A and B, and will be awarded upon successful completion of Engineering

Project B. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study builds on the technical competencies introduced in the previous years. The project work is spread over two units (Engineering Project A and B). In Engineering Project A, students are required to plan and begin work on their project and roughly complete half the work required for the whole 'final year' project. In particular, it should include almost all the planning, literature review, and a significant proportion of the experimental or analytical work required of the project. The student will prepare a Progress Report at the end of semester detailing the context of the problem, relevant background research and progress to date. The progress at the end of Engineering Project A will be evaluated by the supervisor based on the thoroughness of the proposed program and the progress achieved during the semester. The student can only progress to Engineering Project B on attainment of a satisfactory result in Engineering Project A.

In Engineering Project B, the students are required to complete the remaining aspects of the project, present their results to their peers and academic staff in a seminar format, and prepare and submit a detailed Treatise.

The final grade is based on the work done in both Engineering Project A and B, and will be awarded upon successful completion of Engineering Project B.

#### ELEC4712

##### Honours Thesis A

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** There are no lectures for this unit. However, the students are expected to spend at least one full day per week undertaking background research work, organizing their plan of work and preparing their experimental or developmental program. **Prohibitions:** ELEC4703, ELEC4705, ELEC4707 **Assumed knowledge:** 36 credit points of units of study from level 3 and above **Assessment:** The progress at the end of Honours Thesis A will be evaluated by the supervisor based on the thoroughness of the proposed program and the progress achieved during the semester. The student can only progress to Honours Thesis B on attainment of a satisfactory result in Honours Thesis A. The final grade is based on the work done in both Honours Thesis A and B, and will be awarded upon successful completion of Honours Thesis B. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study builds on the technical competencies introduced in the previous years. The project work is spread over two units (Honours Thesis A and B). In Honours Thesis A, students are required to plan and begin work on their project and roughly complete half the work required for the whole 'final year' project. In particular, it should include almost all the planning, literature review, and a significant proportion of the experimental or analytical work required of the project. The student will prepare a Progress Report at the end of semester detailing the context of the problem, relevant background research and progress to date. The progress at the end of Honours Thesis A will be evaluated by the supervisor based on the thoroughness of the proposed program and the progress achieved during the semester. The student can only progress to Honours Thesis B on attainment of a satisfactory result in Honours Thesis A.

In Honours Thesis B, the students are required to complete the remaining aspects of the project, present their results to their peers and academic staff in a seminar format, and prepare and submit a detailed Treatise.

The final grade is based on the work done in both Honours Thesis A and B, and will be awarded upon successful completion of Honours Thesis B.

#### ELEC4713

##### Honours Thesis B

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** There are no lectures for this unit. However, the students are expected to spend at least one full day per week to complete the remaining aspects of the project, and present



their results in a seminar format, and prepare a detailed Treatise. **Prerequisites:** ELEC4712 Honours Thesis A **Prohibitions:** ELEC4703, ELEC4705, ELEC4707 **Assumed knowledge:** 36 credit points of units of study from level 3 and above **Assessment:** Management 20%, Presentation 20% and Written Treatise 60% The final grade is based on the work done in both Honours Thesis A and B, and will be awarded upon successful completion of Honours Thesis B. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study builds on the technical competencies introduced in the previous years. The project work is spread over two units (Honours Thesis A and B). In Honours Thesis A, students are required to plan and begin work on their project and roughly complete half the work required for the whole 'final year' project. In particular, it should include almost all the planning, literature review, and a significant proportion of the experimental or analytical work required of the project. The student will prepare a Progress Report at the end of semester detailing the context of the problem, relevant background research and progress to date. The progress at the end of Honours Thesis A will be evaluated by the supervisor based on the thoroughness of the proposed program and the progress achieved during the semester. The student can only progress to Honours Thesis B on attainment of a satisfactory result in Honours Thesis A.

In Honours Thesis B, the students are required to complete the remaining aspects of the project, present their results to their peers and academic staff in a seminar format, and prepare and submit a detailed Treatise.

The final grade is based on the work done in both Honours Thesis A and B, and will be awarded upon successful completion of Honours Thesis B.

## ELEC5203

### Topics in Power Engineering

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours of lectures and a 1 hour tutorial per week, 3 hours laboratory per week. **Assumed knowledge:** (ELEC3201 Electrical Energy Systems or ELEC3203 Power Engineering) and (ELEC3202 Power Electronics and Drives or ELEC3204 Power Electronics and Drives). **Assessment:** Laboratory work 25%, assignments 15%, end of semester exam 60%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study aims to give students a good understanding of some specialised areas in electrical power engineering. The unit assumes familiarity with basic mathematics and physics, a competence with basic circuit theory and some understanding of power plant such as transformers, transmission lines, etc, and of power electronics. Successful completion of this unit will lead to confidence in addressing practical industry problems.

The specific topics covered may vary somewhat from year to year. Possible topics include the following.

**Electromagnetic Transients.** Causes of electromagnetic transients-lightning, switching, faults; impact on insulation levels for high-voltage equipment; approaches to analysis-sources, switches, distributed and lumped components; using the transients-analysis program ATP; current research; typical examples, including demonstration of mitigation methods.

**Stability Problems.** Stability problems of electrical transmission systems; modelling of electrical plant and control equipment for stability studies, two axis theory of synchronous generators; stability analysis and system operation, the use of relevant software packages; dynamic stability, automatic voltage regulators and stabilisers; transient stability, the equal area criterion, digital simulation of large multi-machine systems, direct methods of analysis; current research into power system stability problems.

**AC Power Control.** DC- AC inverters: single phase and three-phase topology, voltage and frequency control, switching schemes, harmonics, rectifier mode of operation; applications of inverters: induction motor, synchronous motor and stepper-motor drives; static VAR control; active power filters; interconnection of renewable energy sources: photovoltaic array interconnection, wind and small hydro

interconnection; load leveling with energy storage system, STATCOM, DVR, UPFC, HVDC

**Power System Harmonics.** Sources of harmonics; Fourier analysis; three-phase concepts of balanced harmonics-symmetrical components, different sequences for different harmonic orders; special features of zero-sequence harmonics; a three-phase rectifier load as a source of harmonics; adverse effects of harmonics the need for limits; calculations of harmonic voltages produced by non-linear loads; modelling of power system elements for harmonic calculations; example involving a non-linear load and a capacitor bank, occurrence of resonance; possible mitigation measures.

## ELEC5204

### Power Systems Analysis and Protection

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours of lectures and a 1 hour tutorial per week, 3 hours laboratory per week. **Prohibitions:** ELEC4201 Electrical Power Systems. **Assessment:** Laboratory work 25%, assignments 15%, end of semester exam 60%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit provides the basis for the analysis of electricity grids using symmetrical components theory. It assumes familiarity with basic mathematics, competence with basic circuit theory and an understanding of three phase systems, transformers, transmission lines, etc.

The following specific topics are covered: The types and causes of power system faults; balanced faults and short circuit levels; an introduction to fault current transients in machines; symmetric components, sequence impedances and networks; the analysis of unsymmetrical faults. Review of the impact of faults on power system behaviour; issues affecting protection scheme characteristics and clearance times; the security and reliability of protection schemes; the need for protection redundancy and its implementation as local or remote backup; zones of protection and the need for zones to overlap; the analysis and application of over-current and distance relay protection schemes with particular reference to the protection of transmission lines.

## ELEC5205

### High Voltage Engineering

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hours lecture and 3 hours lab per week. **Assumed knowledge:** ELEC3105 Circuit Theory and Design **Assessment:** Assignments 15% and Laboratory work 30%, final examination 55%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Recommended: ELEC5204 Power Systems*

**Associated degrees:** B E, Grad Cert E, M E S, M P E, UG Study Abroad Program.

The unit provides the basis of the fundamentals concepts of electromagnetic transients in power networks, high voltage equipment and its use in power systems, overvoltage and overcurrent in electrical networks and mitigation techniques, insulation of high voltage equipment and power systems apparatus and condition monitoring of power system apparatus.

Exposure to several state-of-art online monitoring techniques of power systems apparatus such as transformers and switchgear will ensure that students have knowledge of the latest industrial solutions to the management of the problems associated with overvoltage and overcurrent and the protection mechanisms used.

## ELEC5618

### Software Quality Engineering

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours lecture and 2 hours laboratory per week. **Prohibitions:** SOFT3302 Software Quality Assurance **Assumed knowledge:** A programming language, an operating system and IT project management. Ability to program in a high level language. **Assessment:** Final exam: 60% Practical work: 40%, includes programming assignments (20%), and weekly lab programming work (10%), and quizzes (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B C S T (Hons), B E, B I T, B I T (Hons), Grad Cert I T, Grad Dip I T, M Inf Tech, UG Study Abroad Program.

This unit will cover software quality planning, validation and verification methods and techniques, quality measurement and analysis, software standards and software process improvement and software reliability.

Students who successfully complete this unit will:

- understand the fundamental concepts of software quality,
- be able to assess the quality of a software design
- be acquainted with methods of building for quality
- be able to verify and test a unit of code

## ELEC5619

### Object Oriented Application Frameworks Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 hour Lecture and 3 hours laboratory per week. **Prerequisites:** INFO2120, INFO2110 Recommended unit: ELEC3610 **Prohibitions:** EBUS5003 E- Commerce Systems **Assumed knowledge:** Java servlets and JSP, Database programming. Ability to program in a high level language. **Assessment:** Quiz 10%, Project 40% and Final Exam 50%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

Large Internet systems are built using application frameworks. They allow great reuse so developers do not have to design and implement applications from scratch, as students have done in previous units. The unit lays down the basic concepts and hands on experience on the design and development of enterprise systems, emphasizing the development of systems using design patterns and application frameworks. A project-based approach will introduce the problems often found when building such systems, and will require students to take control of their learning.

A project-based approach will introduce the problems often found when building such systems, and will require students to take control of their learning. Several development Java frameworks will be used, including Spring, Hibernate, and others. Principles of design patterns will also be studied.

With the completion of the course the students will be able to:

- Evaluate the advantages and disadvantages of using domain specific frameworks, particularly for web applications.
- Deploy a large site using an application framework, and assess the differences between this type of software development and one with less reusability.
- Customize a Content Management System to particular user requirements.
- Write and Modify Java code using Spring and Hibernate in a web application.
- Compare different Web Application Frameworks available in the market

## EMHU3001

### Electron Microscopy and Imaging/Theory Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Anne Swan and Dr Alan Jones **Session:** Semester 2 **Classes:** Four 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** At least 12 cp of Intermediate Science units from any of the following: Anatomy & Histology, Biochemistry, Biology, Chemistry, Mathematics, Microbiology, Molecular Biology & Genetics, Pharmacology, Physics, Physiology or Statistics. For BMedSc students: either 36 cp of Intermediate units including BMed (2501, 2503 & 2505) or 42 cp of BMed Intermediate units including (2801, 2802, 2803 & 2806) **Assumed knowledge:** General concepts in Biology, and in Biochemistry or in Chemistry. **Assessment:** Two 1 hour exams, theoretical research assignment as a PowerPoint (TM) submission and protocol. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

The course is run conjointly by the Department of Anatomy and Histology and the Electron Microscope Unit. The course will focus on the theoretical aspects of transmission and scanning electron

microscopy, the preparation of biological samples for electron microscopy, digital imaging, and freeze-fracture. Immunological and other techniques required in modern research and hospital electron microscope laboratories will also be covered. Students will also receive theoretical training in laser scanning confocal microscopy including the use of fluorescent probes to visualize cellular organelles and cellular processes. Students will undertake a theoretical research project of their choice which is of relevance to the course.

#### Textbooks

Bozzola JJ and Russell LD. Electron Microscopy. 2nd Edn. Jones and Bartlett, Publishers. 1999.

Reference book: John C. Russ. The Image Processing Handbook. 3rd Edn, CRC Press, 1998.

## EMHU3002

### Electron Microscopy and Imaging/Prac Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Anne Swan and Dr Alan Jones **Session:** Semester 2 **Classes:** Two 2 hour practicals and one 1 hour tutorial per week. **Prerequisites:** 12 cp as follows: 6 cp from ANAT2008 OR 4 cp from ANAT2001 plus at least 6 cp OR 8 cp respectively of Intermediate Science units of study. For BMedSci: Either 36 credit points of intermediate units including BMed (2501, 2503 & 2505) or 42 credit points of BMed Intermediate units including BMed (2801, 2802, 2803 & 2806) **Corequisites:** EMHU3001 **Assumed knowledge:** General concepts in Biology, Histology and in Biochemistry or in Chemistry. **Assessment:** Two 1 hour exams, practical reports, practical project assignment by PowerPoint (TM) submission and presentation (10 min). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

The course is run conjointly by the Department of Anatomy & Histology and the Electron Microscope Unit. The course will provide hands-on training in the operation of transmission and scanning electron microscopes, processing biological samples for electron microscopy, ultrathin sectioning, cryo-ultramicrotomy, freeze-fracture, electron diffraction, digital imaging, immunological and other techniques required in modern research and hospital electron microscope laboratories. Students will also learn the operation of laser scanning confocal microscopes, including the use of fluorescent probes to visualise cellular organelles and cellular processes. Students will apply their knowledge to complete a project of their choice on electron microscopy of a biological sample, from fixation of the sample to interpretation of the resulting electron micrographs.

#### Textbooks

Bozzola JJ and Russell LD. Electron Microscopy. 2nd Edn. Jones and Bartlett, Publishers. 1999.

## EMHU3551

### Electron Microscopy Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Adv), M B, B S, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## EMHU3552

### Electron Microscopy Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Adv), M B, B S, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### EMUS1601

#### Harpsichord 1

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour lessons/semester and performance workshops/week **Assumed knowledge:** It is assumed that students have some experience of standard harpsichord repertoire such as J.S. Bach's Preludes and Fugues and Scarlatti's Sonatas. **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific harpsichord repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

### EMUS1602

#### Harpsichord 2

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour lessons/semester and performance workshops/week **Prerequisites:** EMUS1601 Harpsichord 1 **Assessment:** Jury exam assessed by panel 10-15 mins (instrument specific); Teacher grade 50%, Panel grade 50%. Students must pass both assessed components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific harpsichord repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

### EMUS1611

#### Early Music Performance 1

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also gain experience of specific techniques through the study of related ensemble repertoire and relevant pedagogical texts.

### EMUS1612

#### Early Music Performance 2

### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** EMUS1611 Early Music Performance 1 **Assessment:** Jury exam assessed by panel 10-15 mins (instrument specific); Teacher Grade 50%, Panel Grade 50% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also gain experience of specific techniques through the study of related ensemble repertoire and relevant pedagogical texts.

### EMUS1621

#### Baroque Flute 1

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific baroque flute repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

### EMUS1622

#### Baroque Flute 2

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/wk **Prerequisites:** EMUS1621 Baroque Flute 1 **Assessment:** Jury exam assessed by Panel of 10-15 minutes (instrument specific) Teacher Grade 50%. Panel Grade 50%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific baroque flute repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

### EMUS1631

#### Lute 1

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour lessons/semester and performance workshops/week **Assumed knowledge:** Standard Renaissance and Baroque repertoire for lute and guitar. **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific lute repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo, figured bass, score reading and related techniques through the study of related ensemble repertoire and relevant pedagogical texts.

## EMUS1632

### Lute 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour lessons/semester and performance workshops/week **Prerequisites:** EMUS1631 Lute 1 **Assessment:** Jury exam assessed by panel 10-15 mins (instrument specific). Teacher grade 50%, panel grade 50%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific lute repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo, figured bass, score reading and related techniques through the study of related ensemble repertoire and relevant pedagogical texts.

## EMUS1641

### Recorder 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour lessons/semester and performance workshops/week **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific recorder repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

## EMUS1642

### Recorder 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour lessons/semester and performance workshops/week **Prerequisites:** EMUS1641 Recorder 1 **Assessment:** Jury exam assessed by panel of 10-15 minutes (instrument specific) Teacher grade 50%, panel grade 50%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific recorder repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and

execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

## EMUS1651

### Viola Da Gamba 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour lessons/semester and performance workshops/week **Assumed knowledge:** It is assumed that students have some experience of standard viola da gamba repertoire from the French and German schools. **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific viola da gamba repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso-continuo and related techniques through the study of related ensemble repertoire and relevant pedagogical texts.

## EMUS1652

### Viola Da Gamba 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour lessons/semester and performance workshops/week **Prerequisites:** EMUS1651 Viola Da Gamba 1 **Assessment:** Jury exam assessed by panel 10-15 mins (instrument specific). Teacher grade 50%, panel grade 50%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific viola da gamba repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso-continuo and related techniques through the study of related ensemble repertoire and relevant pedagogical texts.

## EMUS1661

### Early Keyboard Class 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 13 one-hour group classes **Assumed knowledge:** It is assumed that students have sufficient keyboard skills to perform at least the easiest of J.S. Bach's Two-part Inventions. **Assessment:** One 10-minute exam at end of semester - performance of three short works, realisation of a figured bass sequence and tuning and a 1000 word written assignment on a topic related to the repertoire. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will develop musical ideas and basic technical skills to play harpsichord repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting. Students will also study and gain experience of basso-continuo techniques, figured-bass realisation, improvisation and tuning.

## EMUS1662

### Early Keyboard Class 2

## Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 13 one-hour group classes **Prerequisites:** EMUS1661 Early Keyboard Class 1 **Assessment:** One 10-minute exam at end of semester - performance of three short works, composition and performance of a classical cadenza and a 1000-word written assignment on a topic related to the repertoire. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will develop musical ideas and basic technical skills to play classical repertoire on the fortepiano in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting. Students will also study and gain experience of improvisation and cadenza writing.

## EMUS1671

### Continuo 1

## Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 1 two-hour class per week **Assumed knowledge:** Standard 17th and 18th century repertoire and harmony. **Assessment:** 1 class presentation or performance and 1 written assignment 2000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will acquire essential foundations for successful and artistic basso continuo realisation. The Unit will be aimed at harpsichordists, lutenists, baroque cellists, viola da gambists and harpists, but will also be of great benefit to melody-line instrumentalists and singers. The Unit will include intensive study and application of figured bass principles, improvisation, ornamentation, score reading, harmonic hierarchy and its implications, and general principles of bass-line playing in relevant chamber and orchestral repertoire. Historical and stylistic awareness through research of relevant pedagogical texts, discussion and application will be a strong and on-going focus.

### Textbooks

Bach, C.P.E., Essay on the True Art of Playing Keyboard Instruments (1753); Arnold, F.T., The Art of Accompaniment from a Thorough-Bass (1965)

## EMUS1672

### Continuo 2

## Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 1 two-hour class per week **Prerequisites:** EMUS1671 Continuo 1 **Assessment:** 1 class presentation or performance and 1 written assignment 2000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: It is strongly advised that all bass continuo instrumentalists (harpsichordists, organists, fortepianists, lutenists, harpists and so on) take this Unit of Study with Principal Study 2.*

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will acquire essential foundations for successful and artistic basso continuo realisation. The Unit will be aimed at harpsichordists, lutenists, baroque cellists, viola da gambists and harpists, but will also be of great benefit to melody-line instrumentalists and singers. The Unit will include intensive study and application of figured bass principles, improvisation, ornamentation, score reading, harmonic hierarchy and its implications, and general principles of bass-line playing in relevant chamber and orchestral repertoire. Historical and stylistic awareness through research of relevant pedagogical texts, discussion and application will be a strong and on-going focus.

### Textbooks

Bach, C.P.E., Essay on the True Art of Playing Keyboard Instruments (1753); Arnold, F.T., The Art of Accompaniment from a Thorough-Bass (1965)

## EMUS2603

### Harpsichord 3

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS1602 Harpsichord 2 **Corequisites:** EMUS2703 Harpsichord 3 (Adv) - Dip Mus only **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific harpsichord repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

## EMUS2604

### Harpsichord 4

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS2603 Harpsichord 3 **Corequisites:** EMUS2704 Harpsichord 4 (Adv) - Dip Mus only **Assessment:** Jury/qualifying exam assessed by panel 15-25 mins BMus 25 mins, BMusStud & BMus Ed 15 mins; OR public recital at junior level assessed by panel 40 mins (DipMus only). Teacher grade 20%, panel grade 80%. Students must pass both assessed components. Show » Jury/qualifying exam assessed by panel 15-25 mins BMus 25 mins; BMusStud & BMus Ed 15 mins OR public recital at junior level assessed by panel 40 mins (DipMus only) . Teacher Grade 20%, Panel Grade 80%. Students must pass both assessed components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific harpsichord repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

## EMUS2613

### Early Music Performance 3

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS1612 Early Music Performance 2 **Corequisites:** EMUS2713 Early Music Performance 3 (Adv) - Dip Mus only **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also gain experience of specific techniques through the study of related ensemble repertoire and relevant pedagogical texts.

## EMUS2614

### Early Music Performance 4

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS2613 Early Music Performance 3 **Corequisites:** EMUS2714 Early Music Performance 4 (Adv) - Dip Mus only **Assessment:** Jury/qualifying exam assessed by panel 15-25 mins BMus 25 mins; BMusStud & BMus Ed 15 mins; OR public recital at junior level assessed by panel 40 mins (DipMus only) . Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also gain experience of specific techniques through the study of related ensemble repertoire and relevant pedagogical texts.

## EMUS2623

### Baroque Flute 3

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshops/wk **Prerequisites:** EMUS1622 Baroque Flute 2 **Corequisites:** EMUS2723 Baroque Flute 3 (Adv) - Dip Mus only **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific baroque flute repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

## EMUS2624

### Baroque Flute 4

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshops/wk **Prerequisites:** EMUS2623 Baroque Flute 3 **Corequisites:** EMUS2724 Baroque Flute 4 (Adv) - Dip Mus only **Assessment:** Jury/qualifying exam assessed by panel 15-25 minutes BMus 25 mins; BMusStud & BMus MusED 15 mins OR public recital at junior level assessed by panel 40 minutes (DipMus only) Teacher Grade 20%, Panel 80%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific baroque flute repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

## EMUS2633

### Lute 3

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS1632 Lute 2 **Corequisites:** EMUS2733 Lute 3 (Adv) - Dip Mus only **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific lute repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo, figured bass, score reading and related techniques through the study of related ensemble repertoire and relevant pedagogical texts.

## EMUS2634

### Lute 4

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS2633 Lute 3 **Corequisites:** EMUS2734 Lute 4 (Adv) - Dip Mus only **Assessment:** Jury/qualifying exam assessed by panel 15-25 mins BMus 25 mins; BMusStud & BMus Ed 15 mins OR public recital at junior level assessed by panel 40 mins (DipMus only). Teacher grade 20%, panel grade 80%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific lute repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo, figured bass, score reading and related techniques through the study of related ensemble repertoire and relevant pedagogical texts.

## EMUS2643

### Recorder 3

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS1642 Recorder 2 **Corequisites:** EMUS2743 Recorder 3 (Adv) - Dip Mus only **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific recorder repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

## EMUS2644

### Recorder 4

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS2643 Recorder 3 **Corequisites:** EMUS2744 Recorder 4 (Adv) - Dip Mus only **Assessment:** Jury/qualifying exam assessed by panel 15-25 minutes BMus 25 mins; BMusStud & BMus MusEd 15 mins; OR public recital at junior level assessed by panel 40 minutes (DipMus only). Teacher grade 20%, panel grade 80%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific recorder repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

### EMUS2653

#### Viola Da Gamba 3

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS1652 Viola Da Gamba 2 **Corequisites:** EMUS2753 Viola Da Gamba 3 (Adv) - Dip Mus only **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific viola da gamba repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso-continuo and related techniques through the study of related ensemble repertoire and relevant pedagogical texts.

### EMUS2654

#### Viola Da Gamba 4

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS2653 Viola Da Gamba 3 **Corequisites:** EMUS2754 Viola Da Gamba 4 (Adv) - Dip Mus only **Assessment:** Jury/qualifying exam assessed by panel 15-25 mins BMus 25 mins, BMusStud & BMus Ed 15 mins; OR public recital at junior level assessed by panel 40 mins (DipMus only). Teacher grade 20%, panel grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific viola da gamba repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso-continuo and related techniques through the study of related ensemble repertoire and relevant pedagogical texts.

### EMUS2663

#### Early Keyboard Class 3

## Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 13 one-hour group classes **Prerequisites:** EMUS1662 Early Keyboard Class 2 **Assessment:** One 10-minute exam at end of semester - performance of three short works, realisation of a figured bass sequence and tuning and a 1000-word written assignment on a topic related to the repertoire. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will further develop musical ideas and technical skills to play harpsichord repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting. Students will also study and gain experience of basso-continuo techniques, figured-bass realisation, improvisation and tuning.

### EMUS2664

#### Early Keyboard Class 4

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 13 one-hour group classes **Prerequisites:** EMUS2663 Early Keyboard Class 3 **Assessment:** One 10-minute exam at end of semester - performance of three short works, composition and performance of a classical cadenza and a 1000-word written assignment on a topic related to the repertoire. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will develop musical ideas and basic technical skills to play classical repertoire on the fortepiano in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting. Students will also study and gain experience of improvisation and cadenza writing.

### EMUS2673

#### Continuo 3

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 1 two-hour class per week **Prerequisites:** EMUS1672 Continuo 2 **Assessment:** 1 class presentation or performance and 1 written assignment 2000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: It is strongly advised that all bass continuo instrumentalists (harpsichordists, organists, fortepianists, lutenists, harpists and so on) take this Unit of Study with Principal Study 5.*

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will acquire essential foundations for successful and artistic basso continuo realisation. The Unit will be aimed at harpsichordists, lutenists, baroque cellists, viola da gambists and harpists, but will also be of great benefit to melody-line instrumentalists and singers. The Unit will include intensive study and application of figured bass principles, improvisation, ornamentation, score reading, harmonic hierarchy and its implications, and general principles of bass-line playing in relevant chamber and orchestral repertoire. Historical and stylistic awareness through research of relevant pedagogical texts, discussion and application will be a strong and on-going focus.

#### Textbooks

Bach, C.P.E., Essay on the True Art of Playing Keyboard Instruments (1753); Arnold, F.T., The Art of Accompaniment from a Thorough-Bass (1965)

### EMUS2674

#### Continuo 4

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 1 two-hour class per week **Prerequisites:** EMUS2673 Continuo 3 **Assessment:** 1 class presentation or performance and



1 written assignment 2000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: It is strongly advised that all bass continuo instrumentalists (harpichordists, organists, fortepianists, lutenists, harpists and so on) take this Unit of Study with Principal Study 6.*

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will acquire essential foundations for successful and artistic basso continuo realisation. The Unit will be aimed at harpichordists, lutenists, baroque cellists, viola da gambists and harpists, but will also be of great benefit to melody-line instrumentalists and singers. The Unit will include intensive study and application of figured bass principles, improvisation, ornamentation, score reading, harmonic hierarchy and its implications, and general principles of bass-line playing in relevant chamber and orchestral repertoire. Historical and stylistic awareness through research of relevant pedagogical texts, discussion and application will be a strong and on-going focus.

#### Textbooks

Bach, C.P.E., Essay on the True Art of Playing Keyboard Instruments (1753); Arnold, F.T., The Art of Accompaniment from a Thorough-Bass (1965)

### EMUS2703

#### Harpsichord 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS1602 Harpsichord 2 **Corequisites:** EMUS2603 Harpsichord 3 **Assessment:** Practice journal, performance journal including proposal for junior level/jury exam; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in EMUS1661/1662/2663/2664 Early Keyboard Class 1 - 4.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

### EMUS2704

#### Harpsichord 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS2703 Harpsichord 3 (Adv) **Corequisites:** EMUS2604 Harpsichord 4 **Assessment:** Practice journal, performance journal; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in EMUS1661/1662/2663/2664 Early Keyboard Class 1 - 4.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

### EMUS2713

#### Early Music Performance 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS1612 Early Music Performance 2 **Corequisites:** EMUS2613 Early Music Performance 3 **Assessment:** Practice journal, performance journal including proposal for junior level/jury exam; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

### EMUS2714

#### Early Music Performance 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS2713 Early Music Performance 3 (Adv) **Corequisites:** EMUS2614 Early Music Performance 4 **Assessment:** Practice journal, performance journal; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

### EMUS2723

#### Baroque Flute 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS1622 Baroque Flute 2 **Corequisites:** EMUS2623 Baroque Flute 3 **Assessment:** Practice and performance journal including proposal for junior level recital (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021 Woodwind Class 1 - 4.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

### EMUS2724

#### Baroque Flute 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS2723 Baroque Flute 3 (Adv) **Corequisites:** EMUS2624 Baroque Flute 4 **Assessment:** Practice and performance journal of junior recital preparation (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021 Woodwind Class 1 - 4.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

### EMUS2733

#### Lute 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:**



EMUS1632 Lute 2 **Corequisites:** EMUS2633 Lute 3 **Assessment:** Practice journal, performance journal including proposal for junior level/jury exam; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015 String Performance Class 1 - 4.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

## EMUS2734

### Lute 4 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS2733 Lute 3 (Adv) **Corequisites:** EMUS2634 Lute 4 **Assessment:** Practice journal, performance journal including proposal for junior level/jury exam; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015 String Performance Class 1 - 4.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

## EMUS2743

### Recorder 3 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS1642 Recorder 2 **Corequisites:** EMUS2643 Recorder 3 **Assessment:** Practice and performance journal including proposal for junior level recital (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021 Woodwind Class 1 - 4.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

## EMUS2744

### Recorder 4 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS2743 Recorder 3 (Adv) **Corequisites:** EMUS2644 Recorder 4 **Assessment:** Practice and performance journal of junior recital preparation (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021 Woodwind Class 1 - 4.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and

that of their peers, students develop extra depth and insight into performance practice.

## EMUS2753

### Viola Da Gamba 3 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS1652 Viola Da Gamba 2 **Corequisites:** EMUS2653 Viola Da Gamba 3 **Assessment:** Practice journal, performance journal including proposal for junior level/jury exam; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015 String Performance Class 1 - 4.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

## EMUS2754

### Viola Da Gamba 4 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS2753 Viola Da Gamba 3 (Adv) **Corequisites:** EMUS2654 Viola Da Gamba 4 **Assessment:** Practice journal, performance journal; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015 String Performance Class 1 - 4.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

## EMUS3605

### Harpichord 5

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS2604 Harpichord 4 **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific harpichord repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

## EMUS3606

### Harpichord 6

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS3605 Harpichord 5 **Assessment:**

Public recital at junior level assessed by panel 40 minutes or jury exam assessed by panel 20 minutes (BMusStud & BMus MusEd only). Teacher grade 20%, panel grade 80%. Students must pass both assessed components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific harpsichord repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

### EMUS3615

#### Early Music Performance 5

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS2614 Early Music Performance 4 **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also gain experience of specific techniques through the study of related ensemble repertoire and relevant pedagogical texts.

### EMUS3616

#### Early Music Performance 6

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS3615 Early Music Performance 5 **Assessment:** Public recital at junior level assessed by panel 40 minutes or jury exam assessed by panel 20 minutes (BMusStud & BMus MusEd only). Teacher grade 20%, Panel grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also gain experience of specific techniques through the study of related ensemble repertoire and relevant pedagogical texts.

### EMUS3625

#### Baroque Flute 5

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshops/wk **Prerequisites:** EMUS2624 Baroque Flute 4 **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific baroque flute

repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

### EMUS3626

#### Baroque Flute 6

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshops/wk **Prerequisites:** EMUS3625 Baroque Flute 5 **Assessment:** Public recital at junior level assessed by panel 40 minutes or jury exam assessed by panel 20 minutes (BMusStud & BMusEd only) Teacher Grade 20% Panel Grade 80%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific baroque flute repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

### EMUS3635

#### Lute 5

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS2634 Lute 4 **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific lute repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo, figured bass, score reading and related techniques through the study of related ensemble repertoire and relevant pedagogical texts.

### EMUS3636

#### Lute 6

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS3635 Lute 5 **Assessment:** Public recital at junior level assessed by panel 40 minutes or jury exam assessed by panel 20 minutes (BMusStud & BMus MusEd only). Teacher grade 20%, panel grade 80%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific lute repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be

self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo, figured bass, score reading and related techniques through the study of related ensemble repertoire and relevant pedagogical texts.

### EMUS3645

#### Recorder 5

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS2644 Recorder 4 **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific recorder repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

### EMUS3646

#### Recorder 6

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS3645 Recorder 5 **Assessment:** Public recital at junior level assessed by panel 40 minutes or jury exam assessed by panel 20 minutes (BMusStud & BMusEd only). Teacher grade 20%, panel grade 80%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific recorder repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

### EMUS3655

#### Viola Da Gamba 5

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS2654 Viola Da Gamba 4 **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific viola da gamba repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo and related techniques through the study of related ensemble repertoire and relevant pedagogical texts.

### EMUS3656

#### Viola Da Gamba 6

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** EMUS3655 Viola Da Gamba 5 **Assessment:** Public recital at junior level assessed by panel 40 minutes OR jury exam assessed by panel 20 minutes (BMusStud & BMusMusEd only). Teacher grade 20%, panel grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific viola da gamba repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo and related techniques through the study of related ensemble repertoire and relevant pedagogical texts.

### EMUS4607

#### Harpichord 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour lessons/semester and performance workshops/week **Prerequisites:** EMUS3606 Harpichord 6 **Corequisites:** EMUS4707 Harpichord 7 (Adv) **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific harpichord repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

### EMUS4608

#### Harpichord 8

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour lessons/semester and performance workshops/week **Prerequisites:** EMUS4607 Harpichord 7 **Corequisites:** EMUS4708 Harpichord 8 (Adv) **Assessment:** Public recital at senior level assessed by panel 50 mins. Teacher grade 20%, panel grade 80%. Students must pass both assessed components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific harpichord repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

### EMUS4617

#### Early Music Performance 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** EMUS3616 Early Music

Performance 6 **Corequisites:** EMUS4717 Early Music Performance 7 (Adv) **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also gain experience of specific techniques through the study of related ensemble repertoire and relevant pedagogical texts.

#### EMUS4618

##### Early Music Performance 8

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** EMUS4617 Early Music Performance 7 **Corequisites:** EMUS4718 Early Music Performance 8 (Adv) **Assessment:** Public recital at Senior level assessed by panel 50 mins. Teacher Grade 20%, Panel Grade 80% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also gain experience of specific techniques through the study of related ensemble repertoire and relevant pedagogical texts.

#### EMUS4627

##### Baroque Flute 7

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons and performance workshops/wk **Prerequisites:** EMUS3626 Baroque Flute 6 **Corequisites:** EMUS4727 Baroque Flute 7 (Adv) **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific baroque flute repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

#### EMUS4628

##### Baroque Flute 8

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons and performance workshops/wk **Prerequisites:** EMUS4627 Baroque Flute 7 **Corequisites:** EMUS4728 Baroque Flute 8 (Adv) **Assessment:** Public recital at senior level assessed by panel 50 mins; Teacher Grade 20%; panel grade 80%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific baroque flute repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies

in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

#### EMUS4637

##### Lute 7

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour lessons/semester and performance workshops/week **Prerequisites:** EMUS3636 Lute 6 **Corequisites:** EMUS4737 Lute 7 (Adv) **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific lute repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo, figured bass, score reading and related techniques through the study of related ensemble repertoire and relevant pedagogical texts.

#### EMUS4638

##### Lute 8

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** EMUS4637 Lute 7 **Corequisites:** EMUS4738 Lute 8 (Adv) **Assessment:** Public recital at senior level assessed by panel 50 mins. Teacher grade 20%, panel grade 80%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific lute repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo, figured bass, score reading and related techniques through the study of related ensemble repertoire and relevant pedagogical texts.

#### EMUS4647

##### Recorder 7

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour lessons/semester and performance workshops/week **Prerequisites:** EMUS3646 Recorder 6 **Corequisites:** EMUS4747 Recorder 7 (Adv) **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific recorder repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

#### EMUS4648

##### Recorder 8

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour lessons/semester and performance workshops/week **Prerequisites:** EMUS4647 Recorder 7 **Corequisites:** EMUS4748 Recorder 8 (Adv) **Assessment:** Public recital at senior level assessed by panel 50 mins. Teacher grade 20%; panel grade 80%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific recorder repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso continuo techniques, figured-bass realisation and score reading through the study of related chamber and orchestral repertoire and relevant pedagogical texts.

## EMUS4657

### Viola Da Gamba 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour lessons/semester and performance workshops/week **Prerequisites:** EMUS3656 Viola Da Gamba 6 **Corequisites:** EMUS4757 Viola Da Gamba 7 (Adv) **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific viola da gamba repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso-continuo and related techniques through the study of related ensemble repertoire and relevant pedagogical texts.

## EMUS4658

### Viola Da Gamba 8

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour lessons/semester and performance workshops/week **Prerequisites:** EMUS4657 Viola Da Gamba 7 **Corequisites:** EMUS4758 Viola Da Gamba 8 (Adv) **Assessment:** Public recital at senior level assessed by panel, 50 mins. Teacher grade 20%, panel grade 80% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific viola da gamba repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire. Students will also study and gain experience of basso-continuo and related techniques through the study of related ensemble repertoire and relevant pedagogical texts.

## EMUS4707

### Harpsichord 7 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS3606 Harpsichord 6 **Corequisites:** EMUS4607 Harpsichord 7 **Assessment:** Practice journal, performance journal including proposal for senior level recital; presentations, performances and/or other participation in unit

classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in EMUS1661/1662/2663/2664 Early Keyboard Class 1 - 4.*

**Associated degrees:** B Mus (Perf).

In this Unit of Study students will continue to acquire important foundations for a career as a professional harpsichordist. Students will develop skills to a high level in solo, chamber, and orchestral repertoire and in basso continuo realisation and related techniques, making them highly eligible for entry into a wide-range of professional activities both local and international.

## EMUS4708

### Harpsichord 8 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS4707 Harpsichord 7 (Adv) **Corequisites:** EMUS4608 Harpsichord 8 **Assessment:** Practice journal, performance journal; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in EMUS1661/1662/2663/2664 Early Keyboard Class 1 - 4.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

## EMUS4717

### Early Music Performance 7 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS3616 Early Music Performance 6 **Corequisites:** EMUS4617 Early Music Performance 7 **Assessment:** Practice journal, performance journal; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

## EMUS4718

### Early Music Performance 8 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS4717 Early Music Performance 7 (Adv) **Corequisites:** EMUS4618 Early Music Performance 8 **Assessment:** Practice journal, performance journal; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

## EMUS4727

### Baroque Flute 7 (Advanced)

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** EMUS3626 Baroque Flute 6 **Corequisites:** EMUS4627 Baroque Flute 7 **Assessment:** Practice and performance journal including proposal for senior level recital; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021/3036/3037 Woodwind Class 1 - 6.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

## EMUS4728

### Baroque Flute 8 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** EMUS4727 Baroque Flute 7 (Adv) **Corequisites:** EMUS4628 Baroque Flute 8 **Assessment:** Practice and performance journal of senior recital preparation; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021/3036/3037 Woodwind Class 1 - 6.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

## EMUS4737

### Lute 7 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS3636 Lute 6 **Corequisites:** EMUS4637 Lute 7 **Assessment:** Practice journal, performance journal including proposal for junior level/jury exam; presentations, performances and/or other participation in unit classes as required; 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015/3018/3019/4016/4017 String Performance Class 1 - 8.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

## EMUS4738

### Lute 8 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS4737 Lute 7 (Adv) **Corequisites:** EMUS4638 Lute 8 **Assessment:** Practice journal, performance journal including proposal for junior level/jury exam; presentations, performances and/or other participation in unit classes as required; 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015/3018/3019/4016/4017 String Performance Class 1 - 8.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

## EMUS4747

### Recorder 7 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS3646 Recorder 6 **Corequisites:** EMUS4647 Recorder 7 **Assessment:** Practice and performance journal including proposal for senior level recital; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021/3036/3037 Woodwind Class 1 - 6.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

## EMUS4748

### Recorder 8 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS4747 Recorder 7 (Adv) **Corequisites:** EMUS4648 Recorder 8 **Assessment:** Practice and performance journal of senior recital preparation; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021/3036/3037 Woodwind Class 1 - 6.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

## EMUS4757

### Viola Da Gamba 7 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS3656 Viola Da Gamba 6 **Corequisites:** EMUS4657 Viola Da Gamba 7 **Assessment:** Practice journal, performance journal including proposal for senior level recital; presentations, performances and/or other participation in unit classes as required; 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015/3018/3019/4016/4017 String Performance Class 1 - 8.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

## EMUS4758

### Viola Da Gamba 8 (Advanced)

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Neal Peres da Costa **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** EMUS4757 Viola Da Gamba 7 (Adv) **Corequisites:** EMUS4658 Viola Da Gamba 8 **Assessment:** Practice journal, performance journal; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015/3018/3019/4016/4017 String Performance Class 1 - 8.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

## ENGG1061

### Advanced Engineering 1A

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Prerequisites:** UAI score of at least 98 and good performance in HSC Maths, Physics and Chemistry. **Assessment:** A written report on the project undertaken and other oral and written presentations as specified **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: 1st year Interdisciplinary unit for all degree streams in Engineering.*

**Associated degrees:** B E.

The project is a major component of this unit of study. Students will be allotted to groups based on their preferences and will work on a particular project. Although the project will be supervised by a senior Faculty member, the emphasis here is on the team members setting and achieving their own goals, and presenting their work in both oral and written form. Groups will be expected to complete an engineering project by the end of Semester 1.

## ENGG1800

### Engineering Disciplines (Intro) Stream A

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 hours of lecture and one 3 hour laboratory session per week. **Assessment:** Technical assignments and laboratory reports. 3 hour examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T.

This unit aims to introduce students to the specialisations in the Engineering discipline areas of Aeronautical, Biomedical, Chemical, Civil, Mechanical and Mechatronic Engineering, and Project Engineering and Management.

Introductory sessions in the School of Aerospace, Mechanical and Mechatronic Engineering (4 weeks)

An overview of the degree requirements in each stream. The roles of the engineer in each stream (employments, skills, etc). How each of the subjects taught relate to the skills/knowledge and applications required of the engineers. Basically make sure students fully understand what engineers are in the discipline areas and why the students do the subjects they do.

In each stream, one engineering technical topic will be taught as a problem solving exercise, and this topic will be the focus of the laboratory.

School of Civil Engineering (4 weeks)

Introductory lectures in Engineering Economics and Construction Planning, Foundation Engineering, Structural Engineering, Materials, Environmental Engineering.

Each student will be involved in the erection and dismantling of an 8 metre high steel and timber tower in the Civil Engineering Courtyard. Preliminary lectures related to the tower will include safety issues, loading, statical analysis, foundation calculations, construction management, engineering drawings and detailing, geometric

calculations, and survey measurements. Exercises related to these issues will be performed before assembly and disassembly of the tower.

In the School of Chemical and Biomolecular Engineering, students will derive a deeper understanding of the drivers and issues associated with the design of products and processes and the role of chemical engineering in society. This module will provide students with the opportunity to utilise concepts including chemistry, physics, mathematics and mass and energy balance. The project in this module will involve the production demonstration of a specific product; eg., hydrogen fuel generation. Student will be able to explore this production process through a team-led paper study or tutorials and a laboratory-based experiment. Students will be given the opportunity to demonstrate their understanding and problem solving skills through a competition and through report writing.

## ENGG1801

### Engineering Computing

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hour of lectures and 2 hours of computer laboratory sessions per week. **Prohibitions:** MECH1800 Computational Engineering 1A; MECH1801 Computational Engineering 1C; INFO1000 Information Technology Tools; ISYS1003 Foundations of Information Technology; COSC1001 Computational Science in Matlab; COSC1002 Computational Science in C; INFO1003 Foundations of Information Technology **Assessment:** Assignments, quizzes and written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E.

The unit will introduce students to fundamental principles of programming. The language used will be Matlab but the principles taught are readily portable to other languages like C and Java. The unit material will be presented in a manner which will help students to draw a connection between programming constructs and real engineering applications. The unit will use engineering inspired case-studies - especially from Civil, Chemical, Aerospace and Mechanical streams, to motivate new material. Besides introductory concepts like variables, arrays and loops, the unit will also introduce more sophisticated Matlab data structures like structs and cells. The extensive Matlab library for visualization will also be introduced. Matlab will cover two-thirds of the unit. The remaining one-third will be devoted to the use of Excel in engineering scenarios. Furthermore, cross integration between Matlab and Excel will also be highlighted.

*Textbooks*

1. Matlab: An Introduction with Applications by Amos Gilat
2. Matlab for Engineers by Holly Moore
3. Numerical Analysis Using Matlab and Excel by Steven Karris

## ENGG1802

### Engineering Mechanics

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two one hour lectures each week, Tutorials: 3 hours per week. **Assessment:** Quizzes and assignments. Assessment marks for assignments and quizzes will be based upon: Layout of the solution (communication); Solution method (clearly showing the students understands); Correct answer (worth no more than 10% of the mark) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E.

The unit covers the following topics: Introduction to Engineering Mechanics (or Newtonian Mechanics), vectors, forces, components; moments - 2D and 3D; free body diagrams; 2D equilibrium; 3D equilibrium; trusses, frames and machines; centroids and centres of mass; friction; bearings and wedges; beams - internal and external effects; distributed actions; fluid statics; virtual work; potential energy and stability. The unit aims to provide students with an understanding of and competence in solving statics problems in engineering. Tutorial sessions will help students to improve their group work and problem solving skills, and gain competency in extracting a simplified version of a problem from a complex situation. Emphasis is placed on the ability to work in 3D as well as 2D, including the 2D and 3D visualization of structures and structural components, and the vectorial 2D and 3D representations of spatial points, forces and moments. The unit is a building block for later mechanics-related units and



streams in Civil, Aeronautical, Space, Mechanical and Mechatronic Engineering, including Solid and Structural Mechanics (Civil and AMME), Soil Mechanics (Civil), Aerodynamics and Fluid Mechanics (Civil and AMME), Flight Mechanics (AMME), Propulsion (AMME), Manufacturing (AMME) and Dynamics (AMME).

### ENGG1803

#### Professional Engineering 1

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 1 hour lecture, 3 hour tutorial/project work (on average - varies week by week) **Assessment:** Individual assignments, group project (proposal, design, delivery), examination 2hour **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

The unit aims to create an awareness of the principles and processes of professional engineering (as per IEAust graduate attributes), including social, economic and environmental aspects; to immerse students in the practical application of these principles and processes through structured educational experiences; to establish the academic requirements for the accessing and communication of information (both written and oral); to expose students to the skills of problem identification, formulation and solution; to allow students to function, individually and in teams, as professionals-in-training.

The students will be able to have an understanding of the principles and processes of professional engineering, including group work; initial competence in the practical application of professional engineering principles and processes to meet challenges and grasp opportunities in social, economic and environmental areas; acquisition of the skills needed to function successfully in an academic environment; an understanding of the basics of the engineering problem solving; an understanding of the requirements of individual responsibility and team accountability, including time management, prioritising and decision making; demonstrated report writing and other communication skills, including information gathering.

The unit is structured around a project/design/build contest. The idea is to teach the students professional engineering aspects and then have them apply what they are learning to an engineering project.

Professional engineering topics to be covered include: accessing information, knowledge economy, creativity, teamwork, leadership, written and oral communication, problem solving, ethics, liability, occupational health and safety and environmental issues.

### ENGG1805

#### Professional Engineering and IT

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2hrs lectures and 2 hrs of lab per week **Assessment:** Quizzes 30%; Article review 15%; Oral presentation 15%; Labs 10%; Participation (attendance) 10%; Project 20% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study aims to teach students:

To make students aware of the nature of and processes involved in information technology and engineering, including social, environmental, professional and ethical aspects.

To help students to develop problem solving, research and information literacy skills.

To help students develop good writing and oral presentation skills.

To engage students in reflection and recording of their learning outcomes and experiences.

To help students to function, individually and in teams, as professionals-in-training.

Important Note:

This unit of study will provide students with coverage of the following topics required by ACS and Engineers Australia:

Communication skills

Professionalism and ethics,

Team work

Introductory project management

Generic skills will be developed in the following areas: Information Literacy, Personal and Intellectual Autonomy, Ethical, Social and Professional Understanding, Communication and Research and Inquiry.

Practical skills in written and oral communication and problem solving will be developed.

Upon successful completion of this unit of study students will be able to:

Demonstrate an appreciation of the tasks undertaken and roles filled by professionals working in information technology and engineering. Show evidence of understanding the similarities and differences between different sub-disciplines of IT and engineering.

Retrieve information about a specific topic using digital libraries and other sources and to evaluate its quality

Demonstrate ability to produce good quality written material and to be aware of professional expectations for written communication.

Demonstrate ability to deliver a good quality oral presentation and to be aware of professional expectations for oral communication.

Demonstrate a basic understanding of privacy and security issues in the information economy.

Explain the principles of intellectual property and to be aware of licenses, patents and other forms of protection for intellectual property.

Understand the principles of leadership and group work and be able to work effectively in a group to accomplish a task

Describe a systematic approach to problem solving and demonstrate ability to solve a problem solving in simple controlled situation

Describe basic principles of engineering and software design, including finding compromise between user specification, feasibility and cost.

Explain aspects of project management and make use of a suitable project management tool.

Explain issues relating to occupational health and safety in the engineering and computing workplace

Appreciate the importance of ethical behaviour in engineering and computing

### ENGG2004

#### Engineering Studies B

##### Engineering and Information Technologies

**Credit points:** 4 **Session:** Semester 1, Semester 2, Summer Main, Winter Main **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E, UG Summer/Winter School.

Special project specified for individual requirement.

### ENGG2005

#### Engineering Studies C

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2, Summer Main, Winter Main **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E, UG Summer/Winter School.

Special project specified for individual requirement.

### ENGG2008

#### Engineering Studies A

##### Engineering and Information Technologies

**Credit points:** 2 **Session:** Semester 1, Semester 2, Summer Main, Winter Main **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E, UG Summer/Winter School.

Special project specified for individual requirement.



**ENGG2062****Engineering Project: Business Plan 2 Adv  
Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours tutorials per week for one semester. This Unit of study will be offered in either February or July Semesters. **Prerequisites:** Only students who have been named on the Dean's list at the end of Year 1 will be eligible. **Assessment:** A written report and oral presentations. Satisfactory tutorial performance is also required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

Students will work in groups on a defined Industrial Project, or continue with one of the projects previously carried out in study ENGG1061. Each group will be expected to provide details and insight into how their findings could be used or exploited commercially. This unit of study is designed to provide students with an insight into engineering practice in industry. At the end of this unit, it is expected that students will be able to carry out the following tasks:

- analyse an industrial problem
- carry out the background research required to fully define and solve the problem
- work effectively as a team member at all stages of the project
- write a coherent report, outlining the problem and its solution, as well as making an oral presentation
- prepare a business plan with respect to an industrial or research project.

**ENGG3005****Engineering & Industrial Management Fund  
Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2hrs lectures, 2 hrs tutorials per week. **Prohibitions:** ELEC3702, MECH3661 **Assessment:** Tutorial and project assignments plus a final (2 hour) examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T.

Year 2 core unit of study for the "Management" stream within the degrees in Aeronautical, Chemical, Electrical, Mechanical and Mechatronics Engineering. Engineers and management; communication; micro-and macro-economics; strategic management; business planning; legal responsibilities; industrial hazard management; human resource management; industrial relations; project management; quality assurance; operations management; accounting and financial management. This unit is to introduce students to a range of management concepts and techniques, and to develop an understanding of the role and challenges of management.

**ENGG3062****Technology Education (Advanced)  
Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hours tutorials per week for one semester. **Prerequisites:** Only students who have been named on the Dean's list at the end of Year 2 will be eligible. **Assessment:** A written report and oral demonstrations. Satisfactory tutorial performance is also required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

Students will work in a group to develop an educational unit for Year 9 High School Students which will involve them in some aspect of engineering science or technology and which will, at the same time, raise an awareness of, and an interest in, engineering. The units will need to be designed with due regard to the teaching and learning process. Activities undertaken as part of the units should reflect, wherever possible, aspects of professional engineering practice.

This elective will help understand engineering principles and applications by investigating, explaining and practising them with Year 9 school students. At the end of this elective it is expected that students will be able to: Investigate, identify, design, develop, implement, and evaluate experiential activities for non-engineers which reflect engineering practice; Develop skills in the management and

use of personal and material resources and processes; Effectively communicate engineering principles and practices to others. Present work in written, graphical, and oral forms.

**ENGG4006****Adv Professional Eng Managemt & Practice  
Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1(2 hr) lecture and 1 (2 hr) tutorial per week **Prerequisites:** ENGG1803 **Assessment:** 70% course work and 30% final examination. Course work will be a combination of written assignment and oral presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

The concepts covered in this UoS are from the following management areas:

Reflective personal and management practice, Globalisation and International Competitiveness, Strategic Management, Technology Management & Strategy, Workplace Relations and Work Organisation, Innovation, Environmental Management, Intellectual Property, Organisational Change, The Role of Government.

This broad range of topics is covered so as to familiarise students with these areas of management practice that they can be expected to become professionally proficient in.

**ENGG4061****Innovation/Technology Commercialisation  
Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1.5 hour lecture/1.5 hour seminar per wk **Assessment:** Profile of an innovation, case studies of innovative companies, mid-term quiz, launching a start-up company project, final exam project. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T.

This unit is designed as a 'Master Class' for final year Engineering students to grapple with the challenges of engaging in, facilitating and managing innovation and technology commercialisation. Key learning outcomes are: developing an understanding of the processes of management, and in particular of innovation, dealing with uncertain and inadequate information, how to communicate effectively to and motivate a group of people to work out what to do, and how to do it.

Introduction to challenges of modern management; understanding of the new rules of international competitiveness; effects of globalisation on Australia's economic performance; the competitiveness of Australian firms; the generation of employment and wealth; the changing requirements on the engineer; the engineer as manager and strategist; the role of innovation in business management; product innovation and commercialisation; IP recognition and management; starting a high-tech company.

**ENGG4064****Advanced Engineering Design A  
Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 2 **Classes:** Literature Survey, project formulation and detailed design of a major integrated facility to be carried out in interdisciplinary groups in Semester 2. **Prerequisites:** Only students on the Dean's List at the end of Year 3 will be invited to join this interdisciplinary group **Assessment:** Assessment will be on the basis of a written report, oral presentations, poster and peer review. Satisfactory tutorial performance and group participation is required. This unit of study can be taken as an elective for all engineering degrees. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: This unit is not timetabled as it crosses so many Schools. Individual teams negotiate suitable weekly meeting times once the teams are organized.*

**Associated degrees:** B E.

The aim to this unit is to develop an understanding of the practice of engineering, utilising a diverse range of skills to solve complex problems. Students will gain skills in design, analysis and management by undertaking a significant project in a multi-disciplinary team

comprising students from across the faculty. Each student will be required to work in a team to

produce an integrated design in greater detail than is possible in ordinary classes and to write a significant design report presenting the results of the process. The ability to work in a team of engineers from different disciplines will be assessed as part of this design project. We try to centre projects around a client, which can be an industrial facility, the Campus and Property Services Office of the University, Research departments within the university, or outside clients (e.g. Nature Conservation Council NSW).

Elements drawn from: Introduction to the design process, Clarification of the Brief, Inquiry, brainstorming, Design philosophy,

Design optimization, Equipment design and costing, Hazard assessment, Environmental Impact Assessment, Project financial Analysis, Business planning.

## ENGG4065

### Advanced Engineering Design B Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** Literature Survey, project formulation and detailed design of a major integrated facility to be carried out in interdisciplinary groups in Semester 2. **Prerequisites:** This unit is an extension module for students in ENGG4064. So only students on the Dean's List at the end of Year 3 will be invited to join this interdisciplinary group. **Assessment:** Assessment will be on the basis of a written report and oral presentations. Satisfactory tutorial performance and group participation is also required. This unit of study can be taken as an elective by negotiation for all engineering degrees. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

The unit aims to extend and deepen the understanding of the practice of engineering, gained in ENGG 4064 by undertaking this course as a parallel module. The intention is that this 12 credit point module may allow a student to undertake a body of work which is comparable to a thesis. It would need to involve an extensive process of inquiry and synthesis. In order to undertake this module approval of the Department and Engineering Faculty is required, so students who are interested in perusing this option MUST negotiate a suitable project and the likely deliverables during Semester 1.

## ENGL1002

### Narratives of Romance and Adventure Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr L Warner **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Assessment:** One 1500 word essay, end of semester exam(1500 words), assignment (1000 words), oral presentation and tutorial participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Ec (Soc Sc), B Int S, B Sc, B Com, UG Study Abroad Program.

This unit explores the art of narrative from Greek and Roman antiquity to the present. What makes Homer's *Odyssey* and Ovid's *Metamorphoses* defining texts for the history of narrative? Why are the early masters of English narrative so compelling? How does a film like *O Brother, Where Art Thou?* fit in? Issues of particular relevance include the nature of epic, myth and satire; the unfolding of adventure and gender relations; the history of Britain; and the nature of humankind.

#### Textbooks

Shakespeare, *Cymbeline*  
Swift, *Gulliver's Travels*  
Coen brothers (film), *O Brother, Where Art Thou?*  
Unit Resource Book, including:  
Homer, *Odyssey*, extracts; Ovid, *Metamorphoses*, extracts; Weland  
Sir Orfeo; Malory, *Morte d'Arthur*, extracts  
Marlowe, *Hero and Leander*; Narrative theory readings

## ENGL1007

### Language, Texts and Time Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr N Riemer **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Assessment:**

Two 500 word assignments, one 2000 word essay and one 1.5 hour exam  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Media & Comm), B Int S, B Lib Stud, Dip Arts, UG Study Abroad Program.

This course equips students with some general tools for the close analysis of literary language. Grammatical concepts will be introduced and applied to the description of prose, poetry and drama, and students will explore the changing relations between form and meaning in English from the earliest times up to the present. A number of key strands in contemporary language study will also be presented, including semiotic theory, rhetoric and discourse studies and theorizations of the relationship between texts and subjectivity.

#### Textbooks

Collins, Peter & Carmella Hollo: *English Grammar, An Introduction* (Palgrave, 2000)

A Resource book will be available from the University Copy Centre.

## ENGL1008

### Australian Texts: International Contexts Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr B Brennan **Session:** Semester 1 **Classes:** Two 1hour lectures and one 1hour tutorial per week **Assessment:** 1000 word in-class assessment (10%) ; 1500 word essay (45%) ; 1.5hour exam (45%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Arts, UG Study Abroad Program.

This unit explores how Australian authors write in, to and about the wider world. It will open up a range of questions: how international influences work in Australian writing; how Australian texts rewrite authoritative texts of other cultures; how Australian texts imagine other places; how careers, reputations, publication and reception take place within and beyond the nation. In addressing these questions, the unit will focus on issues of authority, identity, representation, translation, borders and authenticity.

#### Textbooks

Brian Castro, *After China*  
Gail Jones, *Dreams of Speaking*  
Dorothy Porter, *Akhenaten*  
John Romeril, *The Floating World*  
Patrick White, *The Twyborn Affair*  
Resource book containing poems, short stories and excerpts from larger texts required for study.

## ENGL1025

### Fiction, Film and Power Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr S Gleeson-White **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Assessment:** One tutorial presentation, one 1000 word essay and one 1500 word essay and a 1 1/2 hour exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Arts, UG Study Abroad Program.

A fundamental feature of the modern world is the predominance of media and communication technologies over older, and increasingly anachronistic, "book" cultures. This course looks at the consequences of such a shift for our sense of identity and place by focusing on translations from text to film. A principal theme will be the relations between narrative form and visual experience, with an eye always on the social contexts in which images become a form and source of power. The course will also serve as an introduction to the critical vocabulary used to understand late modern society.

#### Textbooks

Raymond Chandler, *The Big Sleep*  
Nathanael West, *The Day of the Locust*  
Patricia Highsmith, *The Talented Mr. Ripley*  
Peter Carey, *Bliss*

## ENGL1801

### English Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point junior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

## ENGL1802

### English Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point junior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

## ENGL2623

### Twentieth Century Literature: Modernism Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr B Spurr **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial **Prerequisites:** 12 Junior credit points of English **Prohibitions:** ENGL2023 **Assessment:** One 2500 word essay and one 2 hour examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program.

Modernism is a complex phenomenon, categorising a range of innovative literary (and other artistic) works, produced principally in Europe, Britain and America in the early twentieth century. Modernist writers strove to find new ways of representing the momentous cultural and technological changes of this period. This unit focuses on representative Modernist texts, setting them in their larger historical and aesthetic contexts and also investigates the history of Modernism as an academic subject and its various reappraisals.

#### Textbooks

The Norton Anthology of Poetry  
Joyce, *Ulysses*  
Shaw, *Heartbreak House*  
Faulkner, *As I Lay Dying*  
Hemingway, *The Sun Also Rises*

## ENGL2629

### Victorian Literature Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr V Smith **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of English **Prohibitions:** ENGL2029 **Assessment:** One 3000 word essay and one 1.5 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

An exploration of literature, culture and Empire in the Victorian period. The course will develop detailed, historicised readings of key Victorian literary texts. Areas of focus will include Victorian morality, the country and the city, Evolution and the novel, the politics of Empire, and 'Victorian Things'.

#### Textbooks

Additional material will be included in a course reader and/or on WebCT.

## ENGL2638

### Literature and Cinema Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr D Kelly **Session:** Semester 1 **Classes:** One 1 hour lecture and one 2 hour seminar per week **Prerequisites:** 12 junior credit points of English **Prohibitions:** ENGL2038 **Assessment:** Oral presentation, one 2000 word essay and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit of study will examine issues arising from a comparative study of literature and cinema. These issues include: continuities and discontinuities between literature and cinema; the forms and modes of literature and cinema; the questions of adaptation, intertextuality and genre; the cultural and historical contexts of literary and cinematic texts; the figurative styles of literature and cinema; and narrative and narration in literature and cinema.

#### Textbooks

Textbooks  
Course Reader (online)  
Sophocles: *Oedipus Rex*\*  
Hammett: *The Maltese Falcon*  
Williams: *A Streetcar Named Desire*  
Burgess: *A Clockwork Orange*  
Ursula Le Guin: *The Dispossessed*  
(\*Available in eLearning resources)  
Films:  
Kubrick: *A Clockwork Orange*  
Hitchcock: *Rope*  
Huston: *The Maltese Falcon*  
Kazan: *A Streetcar Named Desire*  
Gilliam: *Brazil*  
Jonze: *Adaptation*

## ENGL2640

### Shakespeare Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr H Griffiths **Session:** Semester 2 **Classes:** Two 1hour lectures and one 1hour tutorial per week **Prerequisites:** 12 junior credit points of English **Prohibitions:** ENGL2040 **Assessment:** Tutorial participation (10%); 2000 word essay (50%); 2 hour Exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit is an intensive study of plays by Shakespeare in a variety of genres, particularly focusing on current critical interventions, as well as the detailed reading of Shakespeare's dramatic language. Current approaches to Shakespeare read his texts as a way of thinking about ideas of urgent concern in the twenty first century: the environment and ideas of the natural; sexuality and gender; scepticism and belief. Watching film versions of the plays will form an integral part of our study.

#### Textbooks

The Norton Shakespeare, gen. ed. Stephen Greenblatt

## ENGL2652

### Modern Rhetoric Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr R Johnke **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of English **Prohibitions:** ENGL2052 **Assessment:** One 2,500 word essay and an exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: May be cross listed to a major in Linguistics*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit will introduce students to both the theory of rhetoric: the study of human communication, and the practice of rhetoric: the use of language, signs and silence to convey a particular message. It will trace the development of modern theories from classical and later ideas about rhetoric, and teach students to analyse and improve their own written and spoken communication. Students will learn to pay close attention to language, context, and audience. They will develop skills in analysis, interpretation and composition that apply to academic and professional communication as well as literary study.

#### Textbooks

A Resource book will be available from the University Copy Centre

## ENGL2653

### Varieties of English Grammar

## Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr N Riemer **Session:** Semester 1  
**Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points in English or Linguistics **Prohibitions:** ENGL2053  
**Assessment:** One 3000 word essay and one 1.5 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit introduces students to various ways of talking about English grammar - systemic, generative, traditional among others - and asks them to consider why we might choose one approach or another for tasks such as text interpretation. The unit also introduces students to the history of grammar as a discipline in the European tradition, with a particular focus on the development of grammars in English. This will provide useful background for a detailed examination of the dominant traditions in grammar theory since 1900.

### Textbooks

A course reader will be available from the University Copy Centre.

## ENGL2657

### Myths, Legends and Heroes

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 1, Summer Main **Classes:** One 1hour lecture and one 1hour tutorial per week. **Prerequisites:** 12 Junior credit points of English **Assessment:** Essay (2500 words), Exam 2 hours (2000 words) Tutorial exercise (1500 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

Students will study (in modern English translation) the literature of two closely related peoples of the Early Middle Ages -- the Anglo-Saxons and the Scandinavians (some of whom became Vikings). Lectures and tutorials will cover the literature, history, religion and language of these nations, focusing on representations of the heroic ideal, as this is embodied in mythic, legendary and historical writing. Texts to be studied include Beowulf, The Wanderer, The Dream of the Rood, and selections from the Edda.

### Textbooks

Beowulf (trans. R. Liuzza)  
 Course Reader

## ENGL2658

### Love and Desire in Early Modern England

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr H Griffiths **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 junior credit points in English **Assessment:** One 2000 word essay and one 2500 word take-home exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit looks at the languages used to investigate love and desire in the early modern period. This will involve reading texts by Shakespeare and other canonical writers that you might not be so familiar with. You will be encouraged to discover relationships between emotion, poetic language, rhetoric and sexuality and to entertain the idea that desire is political and that politics are sexualised.

### Textbooks

Shakespeare, Romeo and Juliet (Ed. Jill Levenson)  
 Shakespeare, Complete Sonnets and Poems (Ed Colin Burrow)  
 Early Modern Women Poets, An Anthology (Ed. Stevenson and Davidson)  
 Other texts will be supplied through online course readings

## ENGL2659

### The 18th Century: Scandal & Sociability

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr N Parsons **Session:** Semester 2 **Classes:** One 1hour lecture and one 2hour seminar per week. **Prerequisites:** 12 junior credit points in English **Assessment:** One 2500 word essay and one 2000 word take-home exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit examines the development of literature during the eighteenth century through two important literary and social figurations: scandal and sociability. We will investigate tropes of conversation, politeness and community as constituents of literary texts as well as components of the spaces in which they were consumed. In addition, we will examine current theories regarding the development of a public sphere and the shifting social and cultural location of reading.

## ENGL2660

### Reading the Nation: Modern U.S. Writing

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr S Gleeson-White **Session:** Semester 1 **Classes:** One 1hour lecture and one 1hour tutorial per week. **Prerequisites:** 12 Junior credit points of English **Assessment:** One 1500 word close-reading exercise, one 2500 word essay and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program.

In this unit, we will read some of the most significant American novels and short stories of the mid-20th century. We will examine the way in which a range of writers has responded imaginatively to some of the major cultural and historic events of this period. Our specific focus will be in the way in which these writers have imagined the nation in terms of race, gender and place.

### Textbooks

Ralph Ellison, Invisible Man  
 Cormac McCarthy, Outer Dark  
 Flannery O'Connor, selected short stories  
 Leslie Marmon Silko, Ceremony  
 Richard Wright, selected short stories

## ENGL2811

### English Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English.

## ENGL2812

### English Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English.

## ENGL2813

### English Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English.

### ENGL2814 English Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English.

### ENGL2815 English Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English.

### ENGL2816 English Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point Senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English.

### ENGL2817 English Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point Senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English.

### ENGL2818 English Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point Senior unit of study in English at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of English.

### ENGL3604 Cinematic Modernism Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr M Hardie **Session:** Semester 1 **Classes:** One 2 hour seminar per week **Prerequisites:** Credit or above in 18 senior credit points of English **Assessment:** One 3000 word essay and six 500 word blog entries. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit will explore the effects of the film medium on the existing cultural technologies of literature in the first half of the twentieth century. We will ask how technical possibilities only partially explored by their native medium were transmitted freely into others: poetry, prose, theatre. Blending film history with literary history, and ranging both alongside pivotal works in the cultural theory of modernism, the unit will equip students with an inter-media perspective on cultural change and transposition.

#### Textbooks

Le sang d'un poète (dir. Cocteau)  
Rose Hobart (dir. Cornell)  
Berlin, Symphony of a City (dir. Ruttmann)  
Piccadilly (dir. Dupont)  
Man With the Movie Camera (dir. Vertov)  
King Kong (dir. Cooper)  
The Fountainhead (dir. Vidor)  
Short films (dir. Charles and Ray Eames)  
Tokyo Story (dir. Ozu)  
Eugene O'Neill, Anna Christie/The Emperor Jones/The Hairy Ape  
Gertrude Stein, Operas and Plays  
Ernest Hemingway, The Short Stories  
Wyndham Lewis, Tarr or The Revenge for Love (depending on availability)

### ENGL3605 Canonical Poetry Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr B Spurr **Session:** Semester 1 **Classes:** One 2hour seminar per week. **Prerequisites:** Credit or above in 12 senior credit points of English **Assessment:** One 3000 word essay, one 1000 word class discussion paper and one 2 hour exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit examines the concept of canonicity, with regard to poetry in English, from the Renaissance to the present. Issues to be addressed include: What does 'canonical' mean? How and why have certain poems (and poets) come to be (and ceased to be) 'canonical'? What qualities of theme and technique determine canonicity and by whom are they determined? How (if at all) has the potential for canonicity influenced the composition of poetry?

#### Textbooks

The Norton Anthology of Poetry, fifth edn.

### ENGL3606 Fantastical Women Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr J Shaw **Session:** Semester 2 **Classes:** One 2hour seminar per week. **Prerequisites:** Credit or above in 12 senior credit points of English **Assessment:** Annotated Bibliography 2000 words; Presentation discussion and report 1500 words; Essay 2500 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Fantasy provides a space for women writers to explore alternative configurations of self and community. Contemporary fantasy texts by women will be considered, including rewritings of historical legends and fairy tales, and social science fiction. The focus will be on texts which open up the cultural order to illegality and disorder, which explore the forbidden or repressed, and which defamiliarise the familiar. Texts will be read through theorisations of the fantastic and feminism. Fantasy provides a space for women writers to explore alternative configurations of self and community. Contemporary fantasy texts by women will be considered, including rewritings of historical legends and fairy tales, and social science fiction.

## ENGL3612

### English Language and Literary Theory B

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr N Riemer **Session:** Semester 2 **Classes:** One 2 hour seminar per week **Prerequisites:** Credit or above in 12 senior credit points of English **Assessment:** Two x3000 word essays **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Metaphor. Metaphorical language challenges received understandings of the nature of linguistic communication since it constitutes a systematic case in which expressions are not used in accordance with their meanings. This unit adopts a variety of perspectives to explore the problem of metaphor in an articulated theory of the semiotics of language. Topics discussed include the literal/metaphorical split, the nature of metaphorical meaning, metaphor and language-use, the origins of metaphor within European metalinguistic discourse, and 'cognitive' theories of metaphor.

#### Textbooks

Course reader available from the University Copy Centre.

## ENGL3633

### Introduction to Old English

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 1 **Classes:** One 2hour seminar per week. **Prerequisites:** Credit or above in 12 senior credit points of English **Prohibitions:** Students who have completed ENGL3621, ENGL3622, ENGL3631, ENGL3632 must consult co-ordinator. **Assessment:** Class exercises, one 3000 word essay and one 2 hour examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Old English was the language of England from the fifth century until the twelfth. This earliest phase of the English literary tradition evolved against a background of cultural encounters: as the Anglo-Saxons encountered the culture of Rome, as they adopted and adapted the Christian religion, and as they reflected on their origins on the European continent. This unit introduces students to the language spoken and written by the Anglo-Saxons, and presents the opportunity to translate and read Old English texts.

#### Textbooks

A Guide to Old English (Mitchell and Robinson, 7th edition)

## ENGL3634

### Continuing Old English

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 2 **Classes:** One 2hour seminar per week. **Prerequisites:** ENGL3633 **Prohibitions:** Students who have completed ENGL3621, ENGL3622, ENGL3631, ENGL3632 must consult co-ordinator **Assessment:** Class exercises, one 3000 word essay and one 2hour examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

The literature of the Anglo-Saxons offers an insight into a range of understandings of the place of human beings in the world and its history. This course will build on students' elementary knowledge of the Old English language, and offer students the opportunity to translate and read a range of texts including historical prose, love poetry and religious texts. These texts will be studied in a range of contexts, from the cultural and historical to their manuscript setting.

#### Textbooks

A Guide to Old English (Mitchell and Robinson, 7th edition)

## ENGL3635

### Introduction to Old Norse

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 1 **Classes:** One 2hour seminar per week. **Prerequisites:** Credit or above in 12 senior credit points of English **Prohibitions:** Students who have completed ENGL3621, ENGL3622, ENGL3631, ENGL3632 must consult co-ordinator. **Assessment:** Class exercises, one 3000 word essay and one 2hour examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Old Norse is the name given to the language of medieval Scandinavia, and was the language of the Viking invaders of Britain in the early Middle Ages. Old Norse literature presents a rich variety, from mythological and legendary poetry to Icelandic sagas. This unit introduces students to the language spoken and written in medieval Scandinavia, and offers the opportunity to translate and read Old Norse texts.

#### Textbooks

A New Introduction to Old Norse (Faulkes)

## ENGL3636

### Continuing Old Norse

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 2 **Classes:** One 2hour seminar per week. **Prerequisites:** ENGL3635 **Prohibitions:** Students who have completed ENGL3621, ENGL3622, ENGL3631, ENGL3632 must consult co-ordinator **Assessment:** Class exercises, one 3000 word essay and one 2hour examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Old Norse is the name given to the language of medieval Scandinavia, and was the language of the Viking invaders of Britain in the early Middle Ages. Old Norse literature presents a rich variety, from mythological and legendary poetry to Icelandic sagas. This unit offers students the opportunity of developing their knowledge of the Old Norse language and its cultural contexts, and to translate and read Old Norse prose and poetic texts.

#### Textbooks

A New Introduction to Old Norse (Faulkes)

## ENGL3643

### The Canterbury Tales

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr L Warner **Session:** Semester 2 **Classes:** One 2hour seminar per week. **Prerequisites:** Credit or above in 12 senior credit points of English **Assessment:** One 1000 word editorial project, one 2000 word essay and one 3000 word final essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Chaucer's great work draws upon a range of narrative modes: chivalry, romance, beast fable, pathos, and low comedy. In jumping into these worlds, students will become familiar with Chaucer's language and with the means of its production and transmission, from the early manuscripts written by his scribe Adam Pinkhurst, to the editions in which students usually encounter the Tales, to the digital transcriptions and images of the new millennium.

### ENGL3651

#### Studies in Early Modern English A Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr L Semler **Session:** Semester 1  
**Classes:** One 2 hour seminar per week **Prerequisites:** Credit or above in 12 Senior credit points of English **Prohibitions:** ENGL3922 **Assessment:** One x 1500 word assignment and One 4500 word Essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program.

Christopher Marlowe. This study of Marlowe's poems and plays gives particular attention to their place in the crises and debates of late-sixteenth-century England. It interrogates Marlowe's ambiguous position on the borderland between heterodoxy and orthodoxy (sexual, political, religious). It examines his construction and/or subversion of an Elizabethan "other" (sodomitical, Jewish, papist, barbarian). It tracks his re-writing of Roman poetry and medieval drama, and his experiments in tragedy, comedy and the presentation of radical ideas.

#### Textbooks

C. Marlowe. The Complete Plays. Penguin Classics. Eds. Frank Romany and Robert Lindsey. 2003.

### ENGL3652

#### Studies in Early Modern English B Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr H Griffiths **Session:** Semester 2  
**Classes:** One 2 hour seminar per week **Prerequisites:** Credit or above in 12 senior credit points of English **Assessment:** One x 1500 word assignment and One 4500 word Essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Early Modern Drama. This unit considers aspects of English drama from the early sixteenth to the late eighteenth century. Focussing on a particular cluster of plays, playwrights, theatrical conventions and institutions, it will examine the relations of play-scripts to performances and adaptations for stage, screen, and other media, and to various kinds of literary study, including textual and bibliographical analysis. Shakespeare's plays will figure in the unit whatever its particular emphasis.

#### Textbooks

The Norton Shakespeare or editions of particular plays by Shakespeare  
 Electronic texts of plays from Fisher Library's collection of full-text and facsimile databases

### ENGL3661

#### The Long Nineteenth Century A Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr D Kelly **Session:** Semester 2  
**Classes:** One 2 hour seminar per week **Prerequisites:** Credit or above in 12 senior credit points of English **Prohibitions:** ENGL3924 **Assessment:** One x 1500 word Assignment and One x 4500 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

American Romance. 'Romance' refers both to a passion and to a mode of writing, and this unit will focus on the passionate American, women and men, and the forms in which this figure appears in the literature of the second half of the nineteenth century. We will explore

the Gothic and Romantic heritage of American Writing and the ways in which it responded to the pressures of realism and modernization; the political and social turbulence of the period and how this was reflected in its literary productions; and the imaginative range of the American literary consciousness from the sublime to the squalid, from the transcendental to the real.

#### Textbooks

Irving (selected Tales)\*  
 Poe (selected Tales)\*  
 Hawthorne, The Scarlet Letter and selected Tales\*  
 Whitman, Leaves of Grass (complete 1855 edition)\*  
 Thoreau, Walden\*  
 Crane. The Red Badge of Courage  
 James. Washington Square  
 Chopin. The Awakening  
 Dreiser. Sister Carrie  
 \*Available in Norton Anthology of American Literature vol B

### ENGL3662

#### The Long Nineteenth Century B Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr B Gardiner **Session:** Semester 1  
**Classes:** One 2 hour seminar per week **Prerequisites:** Credit or above in 12 senior credit points of English **Assessment:** One x 1500 word assignment, either a seminar paper or a book report or a research proposal, and One x 4500 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Aesthetics and Aestheticism. This unit considers the interrelated literary, philosophical, and visual arts traditions of aesthetics from the mid-eighteenth century to the early twentieth century. Its philosophical emphasis will be on Kant and Hegel. Its visual arts emphasis will be on Ruskin and Pater. Its literary emphasis will be more comprehensive, stretching from the Age of Sensibility to High Modernism, though paying special attention to the aesthetes and decadents of the late nineteenth century.

#### Textbooks

Kant. Critique of the Power of Judgment. trans. Guyer & Matthews (Cambridge).  
 Hegel. Introductory Lectures on Aesthetics. trans. Bosanquet (Penguin).  
 Ruskin. Modern Painters, part 5: Of Mountain Beauty, excerpts in Resource Book available from the Copy Centre.  
 Pater. The Renaissance. Wilde. The Picture of Dorian Gray. Wells. The Time Machine. Norton Anthology of Poetry.

### ENGL3962

#### English: The Text and the Critic Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr H Griffiths **Session:** Semester 1  
**Classes:** One 2 hour seminar per week **Prerequisites:** Credit or above in 18 senior credit points of English **Corequisites:** either ENGL3961 or ENGL3964 **Prohibitions:** ENGL3910, ENGL3920, ASLT3602 **Assessment:** One 2000 word assignment and one 4000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

What is criticism and what prompts it? How have literary texts, along with their writers, readers, and critics, been regarded in classical, medieval, modern, and contemporary cultures? How have texts solicited, accepted, and contested such critical regard?

#### Textbooks

Norton Anthology of Theory and Criticism. ed. Leitch & others.  
 Resource book available from the Copy Centre.

### ENGL3964

#### English Studies: Research Methods Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr H Griffiths **Session:** Semester 2  
**Classes:** One 1 hour lecture and one 1 hour tutorial per week **Prerequisites:** Credit or above in 18 senior credit points of English **Corequisites:** ENGL3962 **Prohibitions:** ENGL3961, ASLT3601 **Assessment:** Two 1500 word

assignments and one 3000 word journal-style essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit is one of two special entry units required for admission to English Honours and lays the foundation for research into literary and language studies. It examines the material characteristics of writing and also focuses on the methods of literary and language research according to their characteristic kinds of interest, evidence, argument, and rhetoric, in both spoken and written debate. It is specifically designed to prepare students to undertake their thesis work in the honours year.

#### Textbooks

Williams & Abbott. Introduction to Bibliographical & Textual Studies (MLA).  
 Slade. Form and Style (Houghton Mifflin).  
 Resource book available from the Copy Centre.

### ENGL4101

#### English Honours A Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr H Griffiths **Session:** Semester 1, Semester 2 **Prerequisites:** Credit average in 48 senior English points, including the two special-entry units, ENGL3962 and ENGL3964, and two Advanced units on topics other than twentieth-century literature and film (that is, any except ENGL3601, ENGL3603, ENGL3604) **Assessment:** One 15000 word thesis, worth three eights of the total mark; and the equivalent of 5000 words in each of five coursework options, together worth the other five eights of the total mark. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

As an English Honours candidate you write a thesis of 15000 words, or undertake an editorial or bibliographical project of comparable scope and sophistication, under the supervision of a member of the Department who has some expertise in the field you choose to work in. You will be offered a series of workshops and colloquia on scholarly research and writing. Your thesis will be due at the end of the October recess. You choose five semester-long coursework options, three in the first semester, two in the second. For one of your first-semester options - whichever one you choose - you present your work in the form of a twenty-minute paper you give at a Departmental Honours Conference. Among the five options you choose you may include as many from among the English Honours options and Australian Literature Honours options as you like, but at most two from among the English Advanced units. If your interests and achievements are sufficiently multi-disciplinary, you may undertake a Joint Honours program, half of it under the auspices of the English Department, half under those of another. If you do, your plans will have to be approved in advance by the Honours Coordinators of both Departments.

Semester 1:

1. Medieval Languages 1: Old English

Dr D Anlezark.

Students are normally required to have completed at least two semesters' work in Old English. In this option advanced students of Old English will have the opportunity to read the epic poem Beowulf. Old Norse-Icelandic: subject to staff availability. In this option advanced students of Old Norse-Icelandic will have the opportunity to read a substantial saga and/or mythological or heroic poetry. Old Irish and Middle Welsh will be available in this option's Semester 2 counterpart (subject to staff availability).

Langland

Dr L Warner

Langland's Piers Plowman is one of the most important works of the Western literary tradition-part allegory, part satire, part quest, and all compelling. Among its most prominent readers have been Geoffrey Chaucer, Edmund Spenser, and Thomas Jefferson; among its effects on the world was the beheading of the archbishop of Canterbury in 1381. Using a glossed Middle English edition, we will examine the

poem's historical, literary, generic, and gendered contexts, as well as its fascinating textual history and reception.

The Shape of Things To Come: Utopian Social Dreaming

Dr P Marks

Beginning with HG Wells's classic A Modern Utopia (1905), the unit fast forwards in time, examining literary and cinematic utopias and dystopias from the past two decades. The unit explores the history, politics and aesthetics of the utopian genre (understood here to include dystopias), and focuses on topics such as state, religious and corporate power, the impact of technology, genetics, ecology, gender politics, agency and identity, liberty, and surveillance. It examines the ways in which the social dreams of some are the social nightmares of others.

Texts: (You are not expected to purchase the films)

H.G. Wells, A Modern Utopia; Damien Broderick, The Spike; Andrew Niccol (director), The Truman Show; Neal Stephenson, Snow Crash; Michael Winterbottom (director) Code 46

Margaret Atwood, Oryx and Crake; Alfonso Cuarón (director) The Children of Men; Kim Stanley Robinson, Pacific Edge

The Eighteenth Century Novel: Theory and Practice

Dr N Parsons.

This unit of study investigates the development and circulation of the novel during the eighteenth century. We will be reading novels that have since been canonised as well as material normally excluded from the story of the novel's rise, such as whore narratives and the popular genre of it-narratives (stories told from the point-of-view of an object or animal). We will be considering this material through a number of theoretical lenses, including those provided by Michael McKeon, Lennard Davis and Catherine Gallagher.

Mid-Century Modern

Dr K Lilley

This course focuses on the dynamic interactions of poetry, mass media, design and visual arts in mid-century America with particular attention to the experimental reworking of aesthetic hierarchies and to discourses of confession, psychotherapy, liberation, sexual identity and sexology, and cosmopolitanism. The set-texts will be supplemented by material made available through web ct and in class.

Texts:

Paul Hoover (ed) Postmodern American Poetry (Norton); Hettie Jones, How I Became Hettie Jones (Grove); Sylvia Plath, Ariel: The Restored Edition; Joe Brainard, I Remember (Granary Books); Marnie (d. Hitchcock, 1964); Midnight Cowboy (d. Schlesinger 1969)

Semester 2

1. Medieval Languages 2: Old English

Dr D Anlezark.

Further work in Old English texts. Old Norse-Icelandic: subject to staff availability. Further work in Old Norse-Icelandic texts. Old Irish and Middle Welsh: subject to staff availability. Major medieval prose and verse genres.

The Idea of the South

Dr S Gleeson-White

The American South is frequently conceived as the Problem South, a regional aberration defined by its "exceptional" experiences of military defeat and occupation, and economic backwardness and a brutal slave legacy. Although once charged with being the "Sahara of the Bozarts," the American South has in fact produced some of the most exciting cultural texts of the last hundred years. In this course, we will investigate the idea of the South in a range of literary and visual texts from the 1930s onwards, by examining its most compelling tropes - such as the southern belle, poor whites, and the plantation - in order to contemplate, among other things, the region's fundamental importance to conceptions of "America" itself.

Texts may include:

William Faulkner, The Sound and the Fury (1929); Cormac McCarthy, Child of God (1973); Carson McCullers, The Ballad of the Sad Café (1951); Cynthia Shearer, The Celestial Jukebox (2005); selected short



stories of Eudora Welty (1941), Richard Wright (1948) and Alice Walker Films: *Stranger with a Camera* (dir. Elizabeth Barret, 2000); *When the Levees Broke: A Requiem in Four Acts* (dir. Spike Lee, 2006)

History in English: Lyric, Epic, and Dramatic

Dr B Gardiner.

This option examines the writing of history in verse, drama, and prose, from the late sixteenth to the nineteenth century, focussing on the interrelations of English literature and English historiography.

Texts:

Shakespeare, *The Tragedie of Richard the Second* (1597, 1608, 1623); Bacon, *The Historie of the Raigne of King Henry the Seventh* (1622); Gibbon, *The Decline and Fall of the Roman Empire*, chapters 1-16 (1776); Burke, *Reflections on the Revolution in France* (1790); Carlyle, *The French Revolution* (1837); Macaulay, *The History of England* (1849-1861), abridged by Trevor-Roper

Resource book containing the following texts:

Spenser, "The Ruins of Rome," *Complaints* (1591); Samuel Daniel, from *The Civile Wars* (1595-1609); Dryden, poems about English politics (1658-1688); The Indian Emperor (1665); Wordsworth, from *The Prelude: "Residence in France"* (1805, 1850); Prescott, from *History of the Conquest of Mexico* (1843);

*Movements in Modern and Contemporary Drama: Theory and Practice*  
Dr M Byron.

This course charts the emergence of modern drama from its roots in the nineteenth century and traces its legacy in a selection of contemporary play texts. The aims of the course are threefold: to provide a comprehensive overview of the origins of modern and contemporary drama (in classical and folk traditions, nineteenth-century naturalism and social realism, melodrama and the fantastic); to situate developments in dramatic theory and practice alongside dominant social and intellectual trends of the past century (political tyranny/liberation, class structure, women's emancipation, censorship, technological change, the rise of global capital); and to evaluate dramatic texts and performance using a variety of theoretical and critical frameworks. Most seminars will cover two play texts and accompanying theoretical/critical material, all of which will be related by theme or by the expression of specific theoretical attitudes and techniques. Additionally, there will be ample opportunity to explore both theatre history and aspects of performance.

Texts:

Bertolt Brecht, *The Threepenny Opera*; Georg Büchner, *Woyzeck*; Anton Chekhov, *The Cherry Orchard*; Dario Fo, *Accidental Death of an Anarchist*; Henrik Ibsen, *A Doll's House*; Eugene O'Neill, *Long Day's Journey into Night*; Tom Stoppard, *Rosencrantz & Guildenstern Are Dead*. Other texts to be announced.

*The Poetry of Meditation*

Dr B Spurr

This study of seventeenth-century religious poetry will proceed from a consideration of the influence of manuals and procedures of meditation on poetic themes and structures in the Holy Sonnets of John Donne and in George Herbert's *Temple*. Attention will be paid to biblical, theological and liturgical influences in the poetry and how the meditative tradition continues to inform later seventeenth-century poetry in the writings of John Milton, Richard Crashaw and Henry Vaughan.

Texts:

*The Norton Anthology of Poetry*, 5th edn.

## ENGL4102

### English Honours B Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ENGL4101 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

See ENGL4101

## ENGL4103

### English Honours C Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ENGL4102 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

See ENGL4101

## ENGL4104

### English Honours D Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ENGL4103 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

See ENGL4101

## ENSE1000

### Accompaniment 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Howie **Session:** Semester 1, Semester 2 **Classes:** 1hr Vocal Studio/wk, 8 hrs Accom Tuition **Corequisites:** KEYB1008 Pianoforte 1 (Major) or KEYB1621 Pianoforte 1 **Assessment:** Accompany one student performance at one concert practice (75%), accompaniment tutorial (25%), vocal studio report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

Students will gain basic, first-hand experience of sight reading, ensemble and rehearsal techniques, teaching methods, performance technique and repertoire. Students will be assigned to a vocal studio for one hour each week. They will be expected to act as the accompanist for the lessons throughout the semester and then perform with the student concerned at the Accompaniment concert practice. Progress will be monitored to identify those with special talent in the area of keyboard accompaniment. Reports will be written by the panel attending the concert practice and the teacher supervising the weekly practical tutorials.

## ENSE1001

### Accompaniment 2

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Howie **Session:** Semester 1, Semester 2 **Classes:** 1hr Vocal Studio/wk, 7 hrs Accom Tuition **Prerequisites:** ENSE1000 Accompaniment 1 **Corequisites:** KEYB1009 Pianoforte 2 (Major) or KEYB1622 Pianoforte 2 **Assessment:** Accompany one student performance at performance workshop (75%), accompaniment tutorial (25%), vocal studio report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

Please refer to Accompaniment 1. Instead of a vocal student, students will work regularly with an instrumental student of their choice throughout the semester. This partner will attend the fortnightly accompaniment tutorials when possible and will take part in the concert practice assessment at the end of the semester.

## ENSE1002

### Choir 2A

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Neil McEwan **Session:** Semester 1, Semester 2 **Classes:** 2 hrs of rehearsals/wk **Prerequisites:** ENSE1015 Choir 1 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

This series of units of study covers both the SCM Choir and the Chamber Choir.

SCM Choir: Rehearsals prepare members for public concerts at the end of each semester. The music chosen covers oratorio and large choral works accompanied by the Sydney Conservatorium Symphony

Orchestra, the Sydney Conservatorium Chamber Orchestra, or the early Music Ensemble. No auditions required.

SCM Chamber Choir: Rehearsals and performances, acquiring essential ensemble techniques in this unit of study, prepare students for public concerts at the end of each semester. The music chosen covers compositions from Gregorian chant to the present day, and may include the Sydney Conservatorium Chamber Orchestra or the Early Music Ensemble. Sight-singing skills, style and historical performance practice will be an emphasis in preparation for performances. Auditions required.

## ENSE1005

### Chamber Music 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** Six 1 hr tutorials plus seminar attendances and performance. **Assessment:** Enrolment/Repertoire (10%), Seminars (20%), Tutorials (50%) one major performance (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Chamber music training involves numerous key skills: essential entrepreneurial skills of producing and promoting concerts are natural extensions of forming a chamber music group and creating a niche in the marketplace. Chamber music and chamber music skills are studied through the focused engagement with specific repertoire selected by relevant groups. Students are expected to form chamber ensembles of standard configurations which in this context is defined as a group of 3-10 musicians, performing without a conductor. Students are assigned a Principal Tutor who will advise of appropriate works for each level and coach the ensemble through the semester. Groups will be expected to cover a wide range of historical periods and styles.

## ENSE1007

### Chamber Music 2

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** Six 1 hr tutorials plus seminar attendance and performance. **Prerequisites:** ENSE1005 Chamber Music 1 **Assessment:** Enrolment/Repertoire (10%), Seminars (20%), Tutorials (50%) one major performance (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Chamber music training involves numerous key skills: essential entrepreneurial skills of producing and promoting concerts are natural extensions of forming a chamber music group and creating a niche in the marketplace. Chamber music and chamber music skills are studied through the focused engagement with specific repertoire selected by relevant groups. Students are expected to form chamber ensembles of standard configurations which in this context is defined as a group of 3-10 musicians, performing without a conductor. Students are assigned a Principal Tutor who will advise of appropriate works for each level and coach the ensemble through the semester. Groups will be expected to cover a wide range of historical periods and styles.

## ENSE1015

### Choir 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Neil McEwan **Session:** Semester 1, Semester 2 **Classes:** 3 hrs of rehearsals/wk **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

This series of units of study covers both the SCM Choir and the Chamber Choir.

SCM Choir: Rehearsals prepare members for public concerts at the end of each semester. The music chosen covers oratorio and large choral works accompanied by the Sydney Conservatorium Symphony Orchestra, the Sydney Conservatorium Chamber Orchestra, or the early Music Ensemble. No auditions required.

SCM Chamber Choir: Rehearsals and performances, acquiring essential ensemble techniques in this unit of study, prepare students for public concerts at the end of each semester. The music chosen covers compositions from Gregorian chant to the present day, and may include the Sydney Conservatorium Chamber Orchestra or the Early Music Ensemble. Sight-singing skills, style and historical performance practice will be an emphasis in preparation for performances. Auditions required.

## ENSE1017

### Wind Symphony 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3hrs/wk plus performances. Activities will also take place during Special Projects Weeks **Assessment:** Assessment is based on aspects of participation in the ensemble and will be assessed by the conductor. These aspects will be: level of preparation, performance in the ensemble, commitment, concentration, ability and teamwork. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In these units of study students will learn the necessary skills for playing in a wind ensemble including refining intonation, tone control, working with a conductor and ethics and professional conduct of an ensemble musician.

## ENSE1018

### Orchestral Studies 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Relevant Chair of Unit **Session:** Semester 1, Semester 2 **Classes:** Up to 6 hrs/wk - Sectional classes, ensemble rehearsals and 2 public performances. **Corequisites:** Principal Study 1 in an appropriate orchestral instrument or departmental permission if enrolled in Principal Study 1 in a non-orchestral instrument. **Assessment:** Assessment is based on Attendance (punctuality and level of responsibility for absences); Participation (eg sectional, rehearsals, performances), as well as a Chair of Unit grading (technical and facility ability, consistency of preparation and contribution, marking of part, approach to difficult passages, peripheral awareness, rhythmic consistency and stability). Further details in Orchestral Studies and Large Ensembles Program Handbook. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: For students in the new degree programs, this unit of study is only open for pianists and other specialised instruments assisting with/performing in limited orchestral repertoire. Please see your Chair of Unit if you wish to enrol in this unit.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In these units of study, through a wide range of repertoire, students will learn the necessary skills for orchestral and ensemble performance including refining intonation, tone control, working with a conductor, ethics and professional conduct of an orchestral musician.

## ENSE1019

### Choir 3A

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Neil McEwan **Session:** Semester 1, Semester 2 **Classes:** 3 hrs of rehearsals/wk **Prerequisites:** ENSE1002 Choir 2A **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus

Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This series of units of study covers both the SCM Choir and the Chamber Choir.

SCM Choir: Rehearsals prepare members for public concerts at the end of each semester. The music chosen covers oratorio and large choral works accompanied by the Sydney Conservatorium Symphony Orchestra, the Sydney Conservatorium Chamber Orchestra, or the early Music Ensemble. No auditions required.

SCM Chamber Choir: Rehearsals and performances, acquiring essential ensemble techniques in this unit of study, prepare students for public concerts at the end of each semester. The music chosen covers compositions from Gregorian chant to the present day, and may include the Sydney Conservatorium Chamber Orchestra or the Early Music Ensemble. Sight-singing skills, style and historical performance practice will be an emphasis in preparation for performances. Auditions required.

## ENSE1021

### Wind Symphony 2

#### Sydney Conservatorium of Music

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3hrs/wk plus performances. Activities will also take place during Special Projects Weeks **Prerequisites:** ENSE1017 Wind Symphony 1 **Assessment:** Assessment is based on aspects of participation in the ensemble and will be assessed by the conductor. These aspects will be: level of preparation, performance in the ensemble, commitment, concentration, ability and teamwork. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In these units of study students will learn the necessary skills for playing in a wind ensemble including refining intonation, tone control, working with a conductor and ethics and professional conduct of an ensemble musician.

## ENSE1022

### Orchestral Studies 2

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Relevant Chair of Unit **Session:** Semester 1, Semester 2 **Classes:** Up to 6 hrs/wk - sectional classes, ensemble rehearsals and 2 public performances. **Prerequisites:** ENSE1018 Orchestral Studies 1 **Corequisites:** Principal Study 2 in an appropriate orchestral instrument or departmental permission if enrolled in Principal Study 2 in a non-orchestral instrument. **Assessment:** Assessment is based on Attendance (punctuality and level of responsibility for absences); Participation (eg sectional, rehearsals, performances), as well as a Chair of Unit grading (technical and facility ability, consistency of preparation and contribution, marking of part, approach to difficult passages, peripheral awareness, rhythmic consistency and stability). Further details in Orchestral Studies and Large Ensembles Program Handbook. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: For students in the new degree programs, this unit of study is only open for pianists and other specialised instruments assisting with/performing in limited orchestral repertoire. Please see your Chair of Unit if you wish to enrol in this unit.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In these units of study, through a wide range of repertoire, students will learn the necessary skills for orchestral and ensemble performance including refining intonation, tone control, working with a conductor, ethics and professional conduct of an orchestral musician.

## ENSE1618

### Orchestral Studies 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 6 hours/ week ensemble rehearsal and performance, audition and developmental classes as scheduled by the unit. **Corequisites:** Principal Study 1 in an appropriate orchestral instrument. **Assessment:** Tutor/conductor assessment based on

attendance participation, performance and preparation, 100%. Further details in the Orchestral Studies & Large Ensembles Program Handbook. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

The purpose of Orchestral Studies is to develop the entire range of skills which musicians must possess to prepare them to be a member of a professional orchestral ensemble. All students enrolled in Orchestral Studies must participate in two performance projects per semester as rostered. This is supported by the orchestral development program: students will receive weekly training/instruction in all aspects of orchestral playing. This includes participating in weekly repertoire sessions in the Symphony Orchestra or, in other training ensembles and groups such as the Chamber Orchestra, Wind Symphony, Early Music Ensemble, Modern Music Ensemble and Brass Ensemble. For wind and percussion students, participation in the Wind Symphony program can contribute to assessment in Orchestral Studies, providing the students are not enrolled separately in Wind Symphony. The objectives of Orchestral Studies are to develop: A thorough knowledge of orchestral performing styles and practices; ensemble intonation - the ability to play precisely and rhythmically and in tune with other members of an ensemble; the ability to concentrate and play with commitment; teamwork; the ability to work with a conductor and interpret his gestures. Assessment is based on all aspects of participation in the orchestral ensemble (assessed by the ensemble director/coordinator), in the weekly orchestral development classes and, in a final exam. Assessment criteria are: level of preparation, actual performance in the ensemble. Commitment, concentration, ability and teamwork. For further information contact the relevant Chair of Unit. For administrative arrangements contact the Ensembles Coordinator/orchestral manager.

## ENSE1619

### Orchestral Studies 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 6 hours/ week ensemble rehearsal and performance, audition and developmental classes as scheduled by the unit. **Prerequisites:** ENSE1618 Orchestral Studies 1 **Corequisites:** Principal Study 2 in an appropriate orchestral instrument. **Assessment:** Tutor/conductor assessment based on attendance participation, performance and preparation, 100%. Further details in the orchestral & large Ensembles Program Handbook. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

The purpose of Orchestral Studies is to develop the entire range of skills which musicians must possess to prepare them to be a member of a professional orchestral ensemble. All students enrolled in Orchestral Studies must participate in two performance projects per semester as rostered. This is supported by the orchestral development program: students will receive weekly training/instruction in all aspects of orchestral playing. This includes participating in weekly repertoire sessions in the Symphony Orchestra or, in other training ensembles and groups such as the Chamber Orchestra, Wind Symphony, Early Music Ensemble, Modern Music Ensemble and Brass Ensemble. For wind and percussion students, participation in the Wind Symphony program can contribute to assessment in Orchestral Studies, providing the students are not enrolled separately in Wind Symphony. The objectives of Orchestral Studies are to develop: A thorough knowledge of orchestral performing styles and practices; ensemble intonation - the ability to play precisely and rhythmically and in tune with other members of an ensemble; the ability to concentrate and play with commitment; teamwork; the ability to work with a conductor and interpret his gestures. Assessment is based on all aspects of participation in the orchestral ensemble (assessed by the ensemble director/coordinator), in the weekly orchestral development classes and, in a final exam. Assessment criteria are: level of preparation, actual performance in the ensemble. Commitment, concentration, ability and teamwork. For further information contact the relevant Chair

of Unit. For administrative arrangements contact the Ensembles Coordinator/orchestral manager.

## ENSE2000

### Accompaniment 3

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** 2hr lec/wk **Prerequisites:** ENSE1001 Accompaniment 2 **Corequisites:** KEYB2007 Pianoforte 3 (Major) or KEYB2623 Pianoforte 3 **Assessment:** Preparation of class material and performance in two masterclasses (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Students will undertake a comprehensive syllabus for vocal and instrumental repertoire. They will study the pianistic devices demanded by various composition styles, techniques of performance, rehearsal and ensemble, sight-reading, transposition, the reduction of orchestral scores for the keyboard and the concepts of communication. The unit will also contain an introduction to the skills required of the vocal coach and the repetiteur and a series of two masterclasses with professional musicians. For further information contact David Miller (Ensemble Studies).

## ENSE2001

### Accompaniment 4

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** 2hr lec/wk **Prerequisites:** ENSE2000 Accompaniment 3 **Corequisites:** KEYB2008 Pianoforte 4 (Major) or KEYB2624 Pianoforte 4 **Assessment:** Preparation of class material and performance in two masterclasses (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Please refer to Accompaniment 3. Students who show potential will be offered the option of progressing into Accompaniment 5-6-7-8. For further information contact David Miller (Ensemble Studies).

## ENSE2002

### Chamber Music 3

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** Six 1 hr tutorials plus seminar attendances and performance. **Prerequisites:** ENSE1007 Chamber Music 2 or ENSE1001 Accompaniment 2 (BMus Keyboard or Keyboard Majors) **Assessment:** Enrolment/Repertoire (10%), Seminars (20%), Tutorials (50%) one major performance (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Chamber music training involves numerous key skills: essential entrepreneurial skills of producing and promoting concerts are natural extensions of forming a chamber music group and creating a niche in the marketplace. Chamber music and chamber music skills are studied through the focused engagement with specific repertoire selected by relevant groups. Students are expected to form chamber ensembles of standard configurations which in this context is defined as a group of 3-10 musicians, performing without a conductor. Students are assigned a Principal Tutor who will advise of appropriate works for each level and coach the ensemble through the semester. Groups will be expected to cover a wide range of historical periods and styles.

## ENSE2003

### Choir 4A

## Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Neil McEwan **Session:** Semester 1, Semester 2 **Classes:** 3 hrs of rehearsals/wk **Prerequisites:** ENSE1019 Choir 3A **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This series of units of study covers both the SCM Choir and the Chamber Choir.

SCM Choir: Rehearsals prepare members for public concerts at the end of each semester. The music chosen covers oratorio and large choral works accompanied by the Sydney Conservatorium Symphony Orchestra, the Sydney Conservatorium Chamber Orchestra, or the early Music Ensemble. No auditions required.

SCM Chamber Choir: Rehearsals and performances, acquiring essential ensemble techniques in this unit of study, prepare students for public concerts at the end of each semester. The music chosen covers compositions from Gregorian chant to the present day, and may include the Sydney Conservatorium Chamber Orchestra or the Early Music Ensemble. Sight-singing skills, style and historical performance practice will be an emphasis in preparation for performances. Auditions required.

## ENSE2004

### Chamber Music 4

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** Six 1 hr tutorials plus seminar attendances and performance. **Prerequisites:** ENSE2002 Chamber Music 3 **Assessment:** Enrolment/Repertoire (10%), Seminars (20%), Tutorials (50%) one major performance (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Chamber music training involves numerous key skills: essential entrepreneurial skills of producing and promoting concerts are natural extensions of forming a chamber music group and creating a niche in the marketplace. Chamber music and chamber music skills are studied through the focused engagement with specific repertoire selected by relevant groups. Students are expected to form chamber ensembles of standard configurations which in this context is defined as a group of 3-10 musicians, performing without a conductor. Students are assigned a Principal Tutor who will advise of appropriate works for each level and coach the ensemble through the semester. Groups will be expected to cover a wide range of historical periods and styles.

## ENSE2005

### Orchestral Studies 3

#### Sydney Conservatorium of Music

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Average up to 6hrs/wk - sectional classes, ensemble rehearsals and 2 public performances. **Prerequisites:** ENSE1022 Orchestral Studies 2 or ENSE1619 Orchestral Studies 2 **Corequisites:** Principal Study (Major) 3 or Principal Study 3 in an appropriate orchestral instrument **Assessment:** Assessment is based on Attendance (punctuality and level of responsibility for absences); Participation (eg sectional, rehearsals, performances), as well as a Chair of Unit grading (technical and facility ability, consistency of preparation and contribution, marking of part, approach to difficult passages, peripheral awareness, rhythmic consistency and stability). Further details in Orchestral Studies and Large Ensembles Program Handbook. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: For administrative arrangements contact the Ensembles & Orchestral Coordinator.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In these units of study, through a wide range of repertoire, students will learn the necessary skills for orchestral and ensemble performance, including refining intonation, tone control, working with a conductor, ethics and professional conduct of an orchestral musician.

## ENSE2008

### Choir 5A

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Neil McEwan **Session:** Semester 1, Semester 2 **Classes:** 3 hrs of rehearsals/wk **Prerequisites:** ENSE2003 Choir 4A **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This series of units of study covers both the SCM Choir and the Chamber Choir.

SCM Choir: Rehearsals prepare members for public concerts at the end of each semester. The music chosen covers oratorio and large choral works accompanied by the Sydney Conservatorium Symphony Orchestra, the Sydney Conservatorium Chamber Orchestra, or the early Music Ensemble. No auditions required.

SCM Chamber Choir: Rehearsals and performances, acquiring essential ensemble techniques in this unit of study, prepare students for public concerts at the end of each semester. The music chosen covers compositions from Gregorian chant to the present day, and may include the Sydney Conservatorium Chamber Orchestra or the Early Music Ensemble. Sight-singing skills, style and historical performance practice will be an emphasis in preparation for performances. Auditions required.

## ENSE2010

### Wind Symphony 3

#### Sydney Conservatorium of Music

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3hrs/wk plus performances. Activities will also take place during Special Projects Weeks **Prerequisites:** ENSE1021 Wind Symphony 2 **Assessment:** Assessment is based on aspects of participation in the ensemble and will be assessed by the conductor. These aspects will be: level of preparation, performance in the ensemble, commitment, concentration, ability and teamwork. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day   
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In these units of study students will learn the necessary skills for playing in a wind ensemble including refining intonation, tone control, working with a conductor and ethics and professional conduct of an ensemble musician.

## ENSE2012

### Choir 7A

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Neil McEwan **Session:** Semester 1, Semester 2 **Classes:** 3 hrs of rehearsals/wk **Prerequisites:** ENSE3016 Choir 6A **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This series of units of study covers both the SCM Choir and the Chamber Choir.

SCM Choir: Rehearsals prepare members for public concerts at the end of each semester. The music chosen covers oratorio and large choral works accompanied by the Sydney Conservatorium Symphony

Orchestra, the Sydney Conservatorium Chamber Orchestra, or the early Music Ensemble. No auditions required.

SCM Chamber Choir: Rehearsals and performances, acquiring essential ensemble techniques in this unit of study, prepare students for public concerts at the end of each semester. The music chosen covers compositions from Gregorian chant to the present day, and may include the Sydney Conservatorium Chamber Orchestra or the Early Music Ensemble. Sight-singing skills, style and historical performance practice will be an emphasis in preparation for performances. Auditions required.

## ENSE2014

### Wind Symphony 4

#### Sydney Conservatorium of Music

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3hrs/wk plus performances. Activities will also take place during Special Projects Weeks **Prerequisites:** ENSE2010 Wind Symphony 3 **Assessment:** Assessment is based on aspects of participation in the ensemble and will be assessed by the conductor. These aspects will be: level of preparation, performance in the ensemble, commitment, concentration, ability and teamwork. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day   
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In these units of study students will learn the necessary skills for playing in a wind ensemble including refining intonation, tone control, working with a conductor and ethics and professional conduct of an ensemble musician.

## ENSE2016

### Orchestral Studies 4

#### Sydney Conservatorium of Music

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Average 6 hrs/wk - sectional classes, ensemble rehearsals and 2 public performances **Prerequisites:** ENSE2005 Orchestral Studies (Major) 3/Orchestral Studies 3 **Corequisites:** Principal Study (Major) 4 or Principal Study 4 in an appropriate orchestral instrument **Assessment:** Assessment is based on Attendance (punctuality and level of responsibility for absences); Participation (eg sectional, rehearsals, performances), as well as a Chair of Unit grading (technical and facility ability, consistency of preparation and contribution, marking of part, approach to difficult passages, peripheral awareness, rhythmic consistency and stability). Further details in Orchestral Studies and Large Ensembles Program Handbook. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: For administrative arrangements contact the Ensembles & Orchestral Coordinator.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In these units of study, through a wide range of repertoire, students will learn the necessary skills for orchestral and ensemble performance, including refining intonation, tone control, working with a conductor, ethics and professional conduct of an orchestral musician.

## ENSE3004

### Chamber Music 5

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** Six 1 hr tutorials plus seminar attendances and performance. **Prerequisites:** ENSE2004 Chamber Music 4 **Assessment:** Enrolment/Repertoire (10%), Seminars (20%), Tutorials (50%) plus one major performance (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Chamber music training involves numerous key skills: essential entrepreneurial skills of producing and promoting concerts are natural extensions of forming a chamber music group and creating a niche in the marketplace. Chamber music and chamber music skills are

studied through the focused engagement with specific repertoire selected by relevant groups. Students are expected to form chamber ensembles of standard configurations which in this context is defined as a group of 3-10 musicians, performing without a conductor. Students are assigned a Principal Tutor who will advise of appropriate works for each level and coach the ensemble through the semester. Groups will be expected to cover a wide range of historical periods and styles.

### ENSE3005

#### Chamber Music 6

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** Six 1 hr tutorials plus seminar attendance and performance. **Prerequisites:** ENSE3004 Chamber Music 5 **Assessment:** Enrolment/Repertoire (10%), Seminars (20%), Tutorials (50%) plus one major performance (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Chamber music training involves numerous key skills: essential entrepreneurial skills of producing and promoting concerts are natural extensions of forming a chamber music group and creating a niche in the marketplace. Chamber music and chamber music skills are studied through the focused engagement with specific repertoire selected by relevant groups. Students are expected to form chamber ensembles of standard configurations which in this context is defined as a group of 3-10 musicians, performing without a conductor. Students are assigned a Principal Tutor who will advise of appropriate works for each level and coach the ensemble through the semester. Groups will be expected to cover a wide range of historical periods and styles.

### ENSE3009

#### Wind Symphony 5

##### Sydney Conservatorium of Music

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3hrs/wk plus performances. Activities will also take place during Special Projects Weeks **Prerequisites:** ENSE2014 Wind Symphony 4 **Assessment:** Assessment is based on aspects of participation in the ensemble and will be assessed by the conductor. These aspects will be: level of preparation, performance in the ensemble, commitment, concentration, ability and teamwork. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In these units of study students will learn the necessary skills for playing in a wind ensemble including refining intonation, tone control, working with a conductor and ethics and professional conduct of an ensemble musician.

### ENSE3013

#### Wind Symphony 6

##### Sydney Conservatorium of Music

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3hrs/wk plus performances. Activities will also take place during Special Projects Weeks **Prerequisites:** ENSE3009 Wind Symphony 5 **Assessment:** Assessment is based on aspects of participation in the ensemble and will be assessed by the conductor. These aspects will be: level of preparation, performance in the ensemble, commitment, concentration, ability and teamwork. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In these units of study students will learn the necessary skills for playing in a wind ensemble including refining intonation, tone control, working with a conductor and ethics and professional conduct of an ensemble musician.

### ENSE3016

#### Choir 6A

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Neil McEwan **Session:** Semester 1, Semester 2 **Classes:** 3 hrs of rehearsals/wk **Prerequisites:** ENSE2008 Choir 5A **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This series of units of study covers both the SCM Choir and the Chamber Choir.

SCM Choir: Rehearsals prepare members for public concerts at the end of each semester. The music chosen covers oratorio and large choral works accompanied by the Sydney Conservatorium Symphony Orchestra, the Sydney Conservatorium Chamber Orchestra, or the early Music Ensemble. No auditions required.

SCM Chamber Choir: Rehearsals and performances, acquiring essential ensemble techniques in this unit of study, prepare students for public concerts at the end of each semester. The music chosen covers compositions from Gregorian chant to the present day, and may include the Sydney Conservatorium Chamber Orchestra or the Early Music Ensemble. Sight-singing skills, style and historical performance practice will be an emphasis in preparation for performances. Auditions required.

### ENSE3017

#### Orchestral Studies 5

##### Sydney Conservatorium of Music

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Average 6 hrs/wk - sectional classes, ensemble rehearsals and 2 public performances. **Prerequisites:** ENSE2016 Orchestral Studies (Major) 4/ Orchestral Studies 4 **Corequisites:** Principal Study (Major) 5 or Principal Study 5 in an appropriate orchestral instrument. **Assessment:** Assessment is based on Attendance (punctuality and level of responsibility for absences); Participation (eg sectional, rehearsals, performances), as well as a Chair of Unit grading (technical and facility ability, consistency of preparation and contribution, marking of part, approach to difficult passages, peripheral awareness, rhythmic consistency and stability). Further details in Orchestral Studies and Large Ensembles Program Handbook. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: For administrative arrangements contact the Ensembles & Orchestral Coordinator.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In these units of study, through a wide range of repertoire, students will learn the necessary skills for orchestral and ensemble performance, including refining intonation, tone control, working with a conductor, ethics and professional conduct of an orchestral musician.

### ENSE3018

#### Orchestral Studies 6

##### Sydney Conservatorium of Music

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Average 6 hrs/wk - sectional classes, ensemble rehearsals and 2 public performances. **Prerequisites:** ENSE3017 Orchestral Studies (Major) 5/ Orchestral Studies 5 **Corequisites:** Principal Study (Major) 6 or Principal Study 6 in an appropriate orchestral instrument. **Assessment:** Assessment is based on Attendance (punctuality and level of responsibility for absences); Participation (eg sectional, rehearsals, performances), as well as a Chair of Unit grading (technical and facility ability, consistency of preparation and contribution, marking of part, approach to difficult passages, peripheral awareness, rhythmic consistency and stability). Further details in Orchestral Studies and Large Ensembles Program Handbook. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: For administrative arrangements contact the Ensembles & Orchestral Coordinator.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In these units of study, through a wide range of repertoire, students will learn the necessary skills for orchestral and ensemble performance, including refining intonation, tone control, working with a conductor, ethics and professional conduct of an orchestral musician.

### ENSE3021

#### Studio Rehearsal 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Miller/Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 2hr/week **Prerequisites:** KEYB2008 Pianoforte 4 (Major) or KEYB2624 Pianoforte 4 **Assessment:** Studio teacher grade based on preparation and performance of lesson material (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Public performance will be permitted only at the discretion of the studio teacher concerned and may or may not be used for assessment purposes. This unit of study is not available for Accompaniment students. Admission to the unit of study only with the express permission of the appropriate Chairs of Units.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S.

Students will become the studio pianist for two fellow students (either instrumental or vocal majors) at the same level of study as themselves. They will be required to attend all studio lessons within the semester. They will prepare and play the repertoire being studied with their student associate, working under the direction of the studio teacher.

### ENSE3022

#### Studio Rehearsal 2

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Miller/Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week **Prerequisites:** ENSE3021 Studio Rehearsal 1, KEYB2008 Pianoforte 4 (Major) or KEYB2624 Pianoforte 4 **Corequisites:** KEYB3004 Pianoforte 5 (Major) or KEYB3625 Pianoforte 5 **Assessment:** Studio teacher grade based on preparation and performance of lesson material (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Public performance will be permitted only at the discretion of the studio teacher concerned and may or may not be used for assessment purposes. This unit of study is not available for Accompaniment students. Admission to the unit of study only with the expressed permission of the appropriate Chairs of Units.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

Students will become the studio pianist for two fellow students (either instrumental or vocal majors) at the same level of study as themselves. They will be required to attend all lessons within the semester. They will prepare and play the repertoire being studied with their student associate, working under the direction of the studio teacher.

### ENSE4006

#### Chamber Music 7

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** Six 1 hr tutorials plus seminar attendances and performance. **Prerequisites:** ENSE3005 Chamber Music 6 **Assessment:** Enrolment/Repertoire (10%), Seminars (20%), Tutorials (50%) plus one major performance (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Chamber music training involves numerous key skills: essential entrepreneurial skills of producing and promoting concerts are natural extensions of forming a chamber music group and creating a niche in the marketplace. Chamber music and chamber music skills are studied through the focused engagement with specific repertoire selected by relevant groups. Students are expected to form chamber ensembles of standard configurations which in this context is defined as a group of 3-10 musicians, performing without a conductor. Students are assigned a Principal Tutor who will advise of appropriate works

for each level and coach the ensemble through the semester. Groups will be expected to cover a wide range of historical periods and styles.

### ENSE4007

#### Chamber Music 8

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** Six 1 hr tutorials plus seminar attendances and performance. **Prerequisites:** ENSE4006 Chamber Music 7 **Assessment:** Enrolment/Repertoire (10%), Seminars (20%), Tutorials (50%) plus one major performance (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Chamber music training involves numerous key skills: essential entrepreneurial skills of producing and promoting concerts are natural extensions of forming a chamber music group and creating a niche in the marketplace. Chamber music and chamber music skills are studied through the focused engagement with specific repertoire selected by relevant groups. Students are expected to form chamber ensembles of standard configurations which in this context is defined as a group of 3-10 musicians, performing without a conductor. Students are assigned a Principal Tutor who will advise of appropriate works for each level and coach the ensemble through the semester. Groups will be expected to cover a wide range of historical periods and styles.

### ENSE4010

#### Wind Symphony 7

#### Sydney Conservatorium of Music

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3hrs/wk plus performances. Activities will also take place during Special Projects Weeks **Prerequisites:** ENSE3013 Wind Symphony 6 **Assessment:** Assessment is based on aspects of participation in the ensemble and will be assessed by the conductor. These aspects will be: level of preparation, performance in the ensemble, commitment, concentration, ability and teamwork. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

In these units of study students will learn the necessary skills for playing in a wind ensemble including refining intonation, tone control, working with a conductor and ethics and professional conduct of an ensemble musician.

### ENSE4014

#### Wind Symphony 8

#### Sydney Conservatorium of Music

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3hrs/wk plus performances. Activities will also take place during Special Projects Weeks **Prerequisites:** ENSE4010 Wind Symphony 7 **Assessment:** Assessment is based on aspects of participation in the ensemble and will be assessed by the conductor. These aspects will be: level of preparation, performance in the ensemble, commitment, concentration, ability and teamwork. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

In these units of study students will learn the necessary skills for playing in a wind ensemble including refining intonation, tone control, working with a conductor and ethics and professional conduct of an ensemble musician.

### ENSE4020

#### Choir 8A

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Neil McEwan **Session:** Semester 1, Semester 2 **Classes:** 3 hrs of rehearsals/wk **Prerequisites:** ENSE2012 Choir 7A **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals

and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

This series of units of study covers both the SCM Choir and the Chamber Choir.

SCM Choir: Rehearsals prepare members for public concerts at the end of each semester. The music chosen covers oratorio and large choral works accompanied by the Sydney Conservatorium Symphony Orchestra, the Sydney Conservatorium Chamber Orchestra, or the early Music Ensemble. No auditions required.

SCM Chamber Choir: Rehearsals and performances, acquiring essential ensemble techniques in this unit of study, prepare students for public concerts at the end of each semester. The music chosen covers compositions from Gregorian chant to the present day, and may include the Sydney Conservatorium Chamber Orchestra or the Early Music Ensemble. Sight-singing skills, style and historical performance practice will be an emphasis in preparation for performances. Auditions required.

#### ENSE4021 Orchestral Studies 7 Sydney Conservatorium of Music

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Average 6 hrs/wk - sectional classes, ensemble rehearsals and 2 public performances. **Prerequisites:** ENSE3018 Orchestral Studies (Major) 6/Orchestral Studies 6 **Corequisites:** Principal Study (Major) 7 or Principal Study 7 in an appropriate orchestral instrument or Principal Study (Honours) 7 **Assessment:** Assessment is based on Attendance (punctuality and level of responsibility for absences); Participation (eg sectional, rehearsals, performances), as well as a Chair of Unit grading (technical and facility ability, consistency of preparation and contribution, marking of part, approach to difficult passages, peripheral awareness, rhythmic consistency and stability). Further details in Orchestral Studies and Large Ensembles Program Handbook. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: For administrative arrangements contact the Ensembles & Orchestral Coordinator.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

In these units of study, through a wide range of repertoire, students will learn the necessary skills for orchestral and ensemble performance, including refining intonation, tone control, working with a conductor, ethics and professional conduct of an orchestral musician.

#### ENSE4022 Orchestral Studies 8 Sydney Conservatorium of Music

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Average 6 hrs/wk - sectional classes, ensemble rehearsals and 2 public performances. **Prerequisites:** ENSE4021 Orchestral Studies (Major) 7/Orchestral Studies 7 **Corequisites:** Principal Study (Major) 8 or Principal Study 8 in an appropriate orchestral instrument or Principal Study (Honours) 8 **Assessment:** Assessment is based on Attendance (punctuality and level of responsibility for absences); Participation (eg sectional, rehearsals, performances), as well as a Chair of Unit grading (technical and facility ability, consistency of preparation and contribution, marking of part, approach to difficult passages, peripheral awareness, rhythmic consistency and stability). Further details in Orchestral Studies and Large Ensembles Program Handbook. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: For administrative arrangements contact the Ensembles & Orchestral Coordinator.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

In these units of study, through a wide range of repertoire, students will learn the necessary skills for orchestral and ensemble performance, including refining intonation, tone control, working with a conductor, ethics and professional conduct of an orchestral musician.

#### ENSE4023 Studio Rehearsal 3

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week **Prerequisites:** KEYB3004 Pianoforte 5 (Major) or KEYB3625 Pianoforte 5, ENSE3022 Studio Rehearsal 2 **Corequisites:** KEYB3005/KEYB3626 Pianoforte 6 **Assessment:** Studio teacher grade 100% based on preparation and performance of lesson material. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment. Note: Public performance will be permitted only at the discretion of the studio teacher concerned and may or may not be used for assessment purposes. This unit of study is not available for Accompaniment students. Admission to the unit of study only with the expressed permission of the appropriate Chairs of Units.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies(Hons), B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Students will become the studio pianist for two fellow students (either instrumental or vocal majors) at the same level of study as themselves. They will be required to attend all lessons within the semester. They will prepare and play the repertoire being studied with their student associate, working under the direction of the studio teacher.

#### ENSE4024 Studio Rehearsal 4 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Miller **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week **Prerequisites:** KEYB3005 Pianoforte 6 (Major) or KEYB3626 Pianoforte 6, ENSE4023 Studio Rehearsal 3 **Corequisites:** KEYB4002 Pianoforte 7 (Major) or KEYB4627 Pianoforte 7 **Assessment:** Studio teacher grade 100% based on preparation and performance of lesson material. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment. Note: Public performance will be permitted only at the discretion of the studio teacher concerned and may or may not be used for assessment purposes. This unit of study is not available for Accompaniment students. Admission to the unit of study only with the expressed permission of the appropriate Chairs of Units.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies(Hons), B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Students will become the studio pianist for two fellow students (either instrumental or vocal majors) at the same level of study as themselves. They will be required to attend all lessons within the semester. They will prepare and play the repertoire being studied with their student associate, working under the direction of the studio teacher.

#### ENTO2001 Agricultural Entomology Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Sarah Mansfield **Session:** Semester 2 **Classes:** (2x1hour lecture, 1x3hour practical, 1x1hour insect collection)/week **Assessment:** 1 x 2hr exam (50%), 3 x lab quizzes (15%), 1x practical test (20%), 1 x insect collection (15%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B Sc, B Sc Agr, UG Study Abroad Program.

This unit is an introduction to insects, the most abundant group of organisms. The course begins with insect external and internal anatomy, feeding modes, life cycles and behaviour. Real world examples are used to demonstrate the ecological roles insects play in natural and agricultural ecosystems (e.g. pollinators, herbivores, predators, parasitoids, disease vectors). This knowledge is then linked to aspects of applied entomology: insecticides, biological control, habitat manipulation, integrated pest management, medical entomology and insect conservation. Practical sessions focus on insect morphology and taxonomy, so that students learn to identify common insect orders and families. Students must make a representative insect collection. This course forms the basis of students' entomological knowledge for BScAgr and BHortSc degrees and lays the foundation for future study in entomology.

#### Textbooks

Required: 1) Laboratory manual, available from University Publishing Service. 2) Zborowski, P. & Storey, R. 1995. A field guide to insects in Australia. Reed New Holland, Sydney. 207 pp. Recommended: Gullan, P.J. & Cranston, P.S. 2005. The Insects: an outline of entomology. 3rd edition, Blackwell Publishing, Malden, MA. 505 pp.



**ENTO2002****Entomology and Parasitology  
Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Dr Sarah Mansfield, Dr David Emery  
**Session:** Semester 2 **Classes:** (2 lec, 3 prac)/wk; individual insect collection (1 hr/wk) **Prerequisites:** (AFNR1001 or CROP1001) and (BIOL1001, BIOL1101, BIOL1901 or BIOL1911) **Assessment:** Prac quizzes, test (30%), 2 hr exam (50%), insect collection (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B An Vet Bio Sc.

This unit provides an introduction to insects and animal parasites. In Entomology, 18 lectures will cover insect anatomy, life cycles, behaviour and ecology. This will include the effects of pest and beneficial insects on agriculture and principles of insect control. In Parasitology, there will be fifteen lectures covering major external and internal parasites including insects, arachnids and a range of helminths (round, flat and tape worms) affecting the exterior and internal organs of farm animals. This includes life cycles, parasite identification and biology, host/parasite relationships, vectors of disease, principles of investigation and of parasite infections in individuals and herds.

Nine entomology practicals deal with insect morphology, taxonomy and biodiversity. Students make a small but representative insect collection and learn to identify common insect groups. Five parasitology practicals will deal with parasite identification, lifecycles, diagnostic sampling and techniques as well as treatment options.

**Textbooks**

Required: Zborowski, P. & Storey, R. (1995) A field guide to the insects of Australia, Reed New Holland, Sydney.

Recommended: Gullan, P. J. & Cranston, P. S. (1994) The Insects: An Outline of Entomology, Chapman and Hall, London.

**ENTO4003****Integrated Pest Management  
Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Dr Sarah Mansfield **Session:** Semester 2 **Classes:** (1x2hr lec, 1x3h prac)/wk **Prerequisites:** ENTO2001 or ENTO2002 or BIOL2017 or BIOL2917 (Note: BIOL2017/BIOL2917 are only for BSc students who elect to take this UoS) **Assessment:** 1 x 2hr exam (40%), 1 x field diary (20%), 1 x group assignment (15%), 1 x insect collection (20%), 1 x class participation (5%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hort Sc, B L W Sc, B Sc, B Sc Agr, UG Study Abroad Program.

The focus of this unit is the development and adoption of integrated pest management (IPM) within Australian agriculture. It builds on the knowledge gained in second year entomology (BScAgr and BHortSc) and is a core unit for the entomology specialty (BScAgr). Applied entomology deals with the control of insect pests and the use of beneficial insects. The biology of major pest (herbivores and disease vectors) and beneficial (predators, parasitoids, pollinators) insect groups is covered in depth. Students will compare the advantages and disadvantages of different pest control strategies and evaluate the importance of insect ecology, control methods and socio-economic factors to successful adoption of integrated pest management. Field trips will demonstrate the practical application of IPM concepts presented in lectures. Research, inquiry and information literacy skills will be improved through critical review of current literature and compilation of a field diary. Students will practice their communication skills and develop personal and intellectual autonomy through a group project, in-class discussion and a self-directed insect collection.

**Textbooks**

Required: Bailey, PT (Ed.) 2007. Pests of field crops and pastures. CSIRO Publishing, Collingwood, Vic. 520 pp.

Recommended: Llewellyn, R. (Ed.) 2002. The Good Bug Book. 2nd edition, Australasian Biological Control, Richmond, NSW. 110 pp.

**ENTO4004****Insect Taxonomy and Systematics  
Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Dr Sarah Mansfield **Session:** Semester 1 **Classes:** (1 x 2hr lec, 1 x 3hr prac)/week **Prerequisites:** ENTO2001 or ENTO2002 or BIOL2017 or BIOL2917 **Assumed knowledge:** ENTO2001

**Assessment:** 1 x 2hr exam (40%), 1x museum project (25%), 1 x insect collection (25%), 1 x class participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hort Sc, B L W Sc, B Sc, B Sc Agr, UG Study Abroad Program.

Knowledge of the evolutionary relationships between insect groups contributes to our understanding of insect biology and correct taxonomic identification of insects is essential for all areas of entomological research, including pest management. This unit builds on the knowledge gained in second year entomology (BScAgr and BHortSc) and is a core unit for the entomology specialty (BScAgr). Key concepts that underpin the study of insect systematics, biogeography and phylogeny are described using examples from the evolutionary development of insects. The role of morphological, genetic and molecular studies in the classification of insects is examined. Students will demonstrate their knowledge of insect taxonomy through individual projects and assess the impact of evolutionary relationships among insect groups on modern agriculture. Research, inquiry and information literacy skills will be improved through a museum project and a self-directed insect collection. Students will practice their communication skills and develop personal and intellectual autonomy through in-class discussion of current literature.

**Textbooks**

No required text. Recommended: Naumann, I 1993. CSIRO Handbook of Australian Insect Names. 6th edition, CSIRO Entomology, Melbourne, VIC. 200 pp.

Triplehorn, CA & Johnson, NF 2005. Borror and DeLong's introduction to the study of insects. 7th edition, Thomson Brooks/Cole, Belmont, CA, 864 pp.

**ENVI2111****Conservation Biology and Applied Ecology  
Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr C Taylor **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practical per week, plus one 2 day field trip during the semester. **Prerequisites:** 24 credit points of Junior Science units, including 12 credit points of Junior Biology (BIOL/MBLG/EDUH). **Prohibitions:** ENVI2911, ENVI2001. **Assessment:** Essays, tutorial papers, exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This topic examines the role of conservation biology and applied ecology in environmental science, examining pattern and process in natural systems and evaluating how these are being affected by pervasive anthropogenic impacts. Focusing on the conservation, assessment of impacts and the restoration of natural systems, we consider the range of ecological issues environmental scientists must address. We examine the extent of environmental problems; derive explanations of why and how they are occurring and address management options for resolving them. We will derive general principles for these by addressing case studies, chosen from Australian examples when possible. The aim of this unit is for you to understand the processes that go into solving environmental problems from an ecological perspective and how to identify management options.

**ENVI2112****Atmospheric Processes and Climate  
Science**

**Credit points:** 6 **Teacher/Coordinator:** Edwina Tanner **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 2 hour practical per week. **Prerequisites:** 24 credit points of Junior Science units, including 12 credit points of Junior Chemistry or Physics **Prohibitions:** ENVI2002 **Assessment:** Assignments, tutorial papers, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This unit of study investigates the physical and chemical characteristics of our atmosphere, as well as the natural processes that occur within it and how these contribute to the climate we live in. Topics such as atmospheric structure, photochemical processes, and weather will be examined. The effects of ocean circulation are investigated, particularly examining the ocean's importance as a source/sink for atmospheric constituents and as a heat regulator. The impact of glaciation is also

examined, including sources, quantity, magnitude of threat, and the potential impact to our climate, are then explored. Finally, the unit examines issues surrounding climate change and the modelling of these changes.

### ENVI2552

#### Environmental Science Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc (Environmental).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### ENVI2553

#### Environmental Science Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### ENVI2911

#### Conservation Biology (Advanced) Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Charlotte Taylor **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practical per week, plus one 2 day field trip during the semester. **Prerequisites:** Distinction average in BIOL (1001 or 1911 or 1101 or 1901) and 6 additional credit points of Junior Biology (BIOL/MBLG/EDUH). 12 credit points of Junior Chemistry (or for BSc (Marine Science) students 6 credit points of Junior Chemistry and 6 credit points of Junior Physics). These requirements may be varied and students with lower averages should consult the Unit Executive Officer. **Prohibitions:** ENVI2111, ENVI2001. **Assessment:** One 2 hour exam, field report, briefing paper, oral presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Res Ec, B Sc, B Sc (Environmental), UG Study Abroad Program.

Qualified students will participate in alternative components of ENVI2111, Conservation Biology, including an independent research project.

#### Textbooks

Caughley G, Gunn. 1996. Conservation Biology in Theory and Practice, Blackwell, Oxford.  
Lindenmeyer D, Burgman M. 2005. Practical Conservation Biology, CSIRO Publishing, Victoria  
Attiwill P, Wilson B. 2003. Ecology: An Australian Perspective, Oxford University Press.

### ENVI3111

#### Environmental Law and Ethics Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Gerry Bates Dr Jane Johnson **Session:** Semester 1 **Classes:** Two 2 hour lectures per week. **Prerequisites:** 12 credit points of Intermediate Science or Agriculture units. **Prohibitions:** ENVI3001, ENVI3003. **Assumed knowledge:** Intermediate Environmental Science. **Assessment:** Essays, tutorial papers. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc Agr, UG Study Abroad Program.

This unit of study covers topics in environmental law and ethics. The environmental law component provides an overview of all laws in Australia pertaining to environmental matters and looks at a number

of environmental issues at the various levels of analysis, policy making, implementation of policy, enforcement, and dispute resolution. It also provides a broad background to the political and economical issues as they relate to the legal issues involved. It also examines international environmental law, particularly examining how these influence and affect our local policies. The ethics component helps students develop thoughtful and informed positions on issues in environmental ethics using arguments derived from traditional ethics as well as environmentally specific theories. Ethical conflicts are often inevitable and difficult to resolve but using the resources of philosophical ethics and regular reference to case studies, students can learn to recognize the values and considerations at stake in such conflicts, acknowledge differing viewpoints and defend their own well considered positions.

### ENVI3112

#### Environmental Assessment Science

**Credit points:** 6 **Teacher/Coordinator:** Dr John Dee Dr Scott Kable **Session:** Semester 2 **Classes:** Two 2 hour lectures per week. **Prerequisites:** 12 credit points of Intermediate Science or Agriculture units. **Prohibitions:** ENVI3002, ENVI3004. **Assumed knowledge:** Intermediate Environmental Science. **Assessment:** Essays, tutorial papers, report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc Agr, UG Study Abroad Program.

This unit of study is composed of two components: environmental impact assessment and risk assessment. The former is generally concerned with issues related to environmental impact assessment and builds toward the process of producing an EIS/EIA. Moor specifically it seeks to establish a critical understanding of the theory and practice of environmental impact studies/statements (EIS) and environmental impact assessment processes (EIA) from both the positive (scientific) and normative (value) perspectives. Emphasis is placed on gaining skills in writing and producing an assessment report, which contains logically ordered and tightly structured argumentation that can stand rigorous scrutiny by political processes, the judiciary, the public and the media. The risk assessment component considers a more chemical approach to the assessment of risk and issues of safety with respect to chemicals, ecotoxicology and the environment.

### ENVI3114

#### Energy and the Environment Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Chris Dey **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week and three field trips. **Prerequisites:** 12 credit points of Intermediate Science or Agriculture units. **Prohibitions:** ENVI3001, PHYS3600. **Assumed knowledge:** Junior Physics or Intermediate Environmental Science. **Assessment:** Essays, tutorial papers, field reports, exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This unit covers the following aspects of energy and the environment: energy use; electrical power generation including alternate methods such as wind turbines; the environmental impact of energy use and power generation including the enhanced greenhouse effect; transportation and pollution; energy management in buildings; solar thermal energy, photovoltaics, and nuclear energy; and, socio-economic and political issues related to energy use and power generation.

### ENVI3551

#### Environmental Science Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### ENVI3552

#### Environmental Science Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### ENVI4011

#### Environmental Studies Honours A Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B ST (Hons), B Sc (Environmental)(Hons), B Sc (Hons), B Sc (Marine Science)(Hons), UG Study Abroad Program.

Students enrolled in Honours programs study various advanced aspects of environmental science. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

### ENVI4012

#### Environmental Studies Honours B Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ENVI4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B ST (Hons), B Sc (Environmental)(Hons), B Sc (Hons), B Sc (Marine Science)(Hons), UG Study Abroad Program.

Students enrolled in Honours programs study various advanced aspects of environmental science. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

### ENVI4013

#### Environmental Studies Honours C Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ENVI4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B ST (Hons), B Sc (Environmental)(Hons), B Sc (Hons), B Sc (Marine Science)(Hons), UG Study Abroad Program.

Students enrolled in Honours programs study various advanced aspects of environmental science. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

### ENVI4014

#### Environmental Studies Honours D Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ENVI4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B ST (Hons), B Sc (Environmental)(Hons), B Sc (Hons), B Sc (Marine Science)(Hons), UG Study Abroad Program.

Students enrolled in Honours programs study various advanced aspects of environmental science. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

### ENVX3001

#### Environmental GIS Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Inakwu Odeh **Session:** Semester 1 **Classes:** Four-day field trip, (2 lec & 2 prac/wk). **Assumed knowledge:** At least 48 credit points in second year agriculture/science units. **Assessment:** One 15 min presentation (10%), 3500w prac report (35%), 1500w report on field excur (15%), 2 hr exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc Agr, UG Study Abroad Program.

This unit is designed to impart knowledge and skills in spatial analysis and geographical information science (GISc) for decision-making in an environmental context. The unit of study is intended to introduce students to modern geospatial analysis and GISc technologies. It is offered as a core unit for BLWSc students and as an elective for BScAgr, BHortSc, BSc and BResEc students. The lecture material will present several themes: principles of GISc, geospatial data sources and acquisition methods, processing of geospatial data and spatial statistics. Practical exercises will focus on learning geographical information systems (GIS) and how to apply them to land resource assessment, including digital terrain modelling, land-cover assessment, sub-catchment modelling, ecological applications, and soil quality assessment for decisions regarding sustainable land use and management. A 3 day field excursion during the mid-semester break will involve a day of GPS fieldwork at Arthursleigh University farm and two days in Canberra visiting various government agencies which research and maintain GIS coverages for Australia. By the end of this UoS, students should be able to: differentiate between spatial data and spatial information; source geospatial data from government and private agencies; apply conceptual models of spatial phenomena for practical decision-making in an environmental context; apply critical analysis of situations to apply the concepts of spatial analysis to solving environmental and land resource problems; communicate effectively results of GIS investigations through various means- oral, written and essay formats; and use a major GIS software package such as ArcGIS.

#### Textbooks

Burrough, P.A. and McDonnell, R.A. 1998. Principles of Geographic Information Systems. Oxford University Press: Oxford.  
Clarke, K. C. 2003. Getting Started With Geographic Information Systems. 4th Edition. Prentice Hall: Upper Saddle River, New Jersey.

### ENVX4001

#### GIS, Remote Sensing and Land Management Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Inakwu OA Odeh **Session:** Semester 2 **Classes:** 2 lec, 1 tut & 4 hr prac/wk (wks 1-6); Project: (wks 7-12) **Assumed knowledge:** Some knowledge of GIS and spatial information systems and/or some knowledge of soil science, geomorphology or environmental science. **Assessment:** Lab prac reports, group work, presentation and project report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Consent of the unit coordinator required.*

**Associated degrees:** B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc Agr, UG Study Abroad Program.

This unit of study is aimed at advanced techniques in Remote Sensing (RS), linked with Geographical Information Systems (GIS), as applied to land management problems. It is a main elective unit for BLWSc and BScAgr students that provide a broader spatial context of the land resources. The unit consists of three separate but overlapping parts: 1) a short theoretical part which focuses on the concepts of RS; 2) a practical part which aims at developing hands-on skills in using RS and GIS tools, and 3) an application-focused module in which students will learn the skills of how to design a land management project and actualise it using integrated GIS and RS techniques. At

the completion of this unit students will have grasp the theories and concepts of GIS and acquired research skills in the application of advanced remote sensing and GIS algorithms to provide evidence-based solutions to natural resource management and environmental problems. Communication skills and critical thinking for solving land resources problems are encouraged through class discussions, group work and tutorial presentations.

#### Textbooks

van Dijk, A. and Bos, M.G. 2001. GIS and remote sensing techniques in land and water-management. Kluwer Academic Publisher, Dordrecht.  
 Skidmore, A. 2002. Environmental modelling with GIS and remote sensing. Taylor & Francis, London.  
 Mowrer, H. T. and Congalton, R. G. (Editors). 2000. Quantifying spatial uncertainty in natural resources: theory and applications for GIS and remote sensing. Ann Arbor Press  
 Wilson J. P. and Gallant J. C. (Editors). 2000. Terrain Analysis: Principles and Applications. John Wiley and Sons New York

### ENVX4002

#### Environmetrics 4

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Thomas Bishop **Session:** Semester 1 **Classes:** 2x1 hr workshops and 1x3 hr practical (weeks 1-7); 6 hours project work (weeks 8-13) **Prerequisites:** BIOM3004 or BIOM3005 or BIOM3006 **Assessment:** One major project (60%), practical assignments (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hort Sc, B L W Sc, B Sc Agr, UG Study Abroad Program.

This unit of study is designed to introduce the students to advanced statistical methods, programming and algorithm development with direct applications for solving environmental and agricultural problems. It is a core unit for BScAgr students wishing to specialize in Environmetrics and available as an elective for students in BScAgr, BHortSc and BLWSc who have completed one of BIOM3004, BIOM3005 or BIOM3006. In the first half the students will learn about spatial and temporal statistics, the design of sampling schemes to monitor change in space and time, and stochastic simulation. These methods will be taught in R to introduce the students to computer programming and algorithm development. In the second half the students will undertake a major project where they will encode a statistical method or simple process model related to their own interests. At the end of this unit, students will have gained an introduction to computer programming and algorithm development which will empower them to create customised code and scripts in their future studies and career. The students will gain research and inquiry skills through the major project where they will develop their own program to perform an analysis of their choice. Information literacy and communication skills will be developed through weekly computer work.

### EUST2611

#### European & Middle Eastern Myth & Legend

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Williams **Session:** Semester 2 **Classes:** One 1 hour lecture per week, one 1 hour tutorial per week and WebCT-guided reading, worksheets, discussion forum for ongoing development. **Prerequisites:** At least 18 junior credit points from Part A of the Table of Units of Study, of which 12 credit points are from one subject; or permission from the Director of European Studies. **Assessment:** Presentation (equivalent to 2000 words) and 2 essays of 2000 words each. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, UG Study Abroad Program.

This course introduces some major myths and legends that constitute the foundations of Western European and Middle Eastern cultures. We consider how legends such as the Grail have evolved cross-culturally from the earliest times to the present day, with recent manifestations like the Da Vinci Code. We also examine the transformation of mythical archetypes such as the Quest (seen also in the voyages of Odysseus and Sindbad) and binary pairs (for instance in Ancient Greek and Arabic myth).

### EUST2612

#### Regionalisms in Europe & the Middle East

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Cramer **Session:** Semester 1 **Classes:** One 1 hour lecture per week, one 1 hour tutorial per week and guided reading worksheets via WebCT / online postings planned for ongoing development. **Prerequisites:** At least 18 junior credit points from Part A of the Table of Units of Study, of which 12 credit points are from one subject; or permission from the Director of European Studies. **Assessment:** Oral presentation (1000 words), essay (2000 words), essay (3000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, UG Study Abroad Program.

This unit of study is designed to introduce the history of various regions, the nature of regional debate and the role of regional institutions within Europe and the Middle East. It will examine nationalism and community consciousness at levels below the nation-state and will consider the differing relationships between central and regional powers in a number of case studies and the historic reasons for these.

### EUST2613

#### Romanticism and Revolution

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Francoise Grauby **Session:** Semester 1 **Classes:** One 1 hour lecture and one 1 hour tutorial per week **Prerequisites:** At least 18 junior credit points from Part A of the Table of Units of Study, of which 12 credit points are from one subject; or permission from the Director of European Studies. **Assessment:** 2 essays (2000 words each), class presentation (equivalent to 2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, UG Study Abroad Program.

This unit will examine the impact of the Romantic Movement across Europe by examining the historical and cultural connections between three European countries (Germany, England and France) during the late eighteenth and nineteenth centuries. We will consider the different national contexts separately, look at their influence on each other and at the influence of Romantic thought throughout European society, identifying ways in which Romantic ideas and values revolutionised social, cultural and aesthetic ideas, transformed worldviews and shaped the future of Europe.

### EUST2805

#### European Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### EUST2806

#### European Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### EUST2807

#### European Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### EUST2808

#### European Studies Exchange

**Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

**EUST4011****European Studies Honours A****Arts**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Permission from the Director of European Studies **Assessment:** All of the major components of the honours year will be assessed. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons).

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Director of European Studies.

**EUST4012****European Studies Honours B****Arts**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** EUST4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons).

See EUST4011

**EUST4013****European Studies Honours C****Arts**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** EUST4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons).

See EUST4011

**EUST4014****European Studies Honours D****Arts**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** EUST4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons).

See EUST4011

**EXCH2004****SCA Exchange****Sydney College of the Arts**

**Credit points:** 24 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

**EXCH3004****SCA Exchange****Sydney College of the Arts**

**Credit points:** 24 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

**EXCH4004****SCA Exchange****Sydney College of the Arts**

**Credit points:** 24 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V A (Hons).

**EXSS1018****Biomechanics of Human Movement****Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Halaki **Session:** Semester 1 **Classes:** 2hrs lectures, 2hrs tutorial/practicals **Assumed knowledge:** HSC mathematics **Assessment:** Mid and end semester exams, laboratory report **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Ex &Sp Sc), M N, B App Sc (Phy), B Hlth Sci, UG Study Abroad Program.

This unit aims to develop an appreciation of how mechanical principles can be applied to understand the underlying causes of human movement. Topics include: kinematics, vectors, Newton's laws of motion, work, energy, power, and momentum; for both translational and rotational motion; and the influence of fluids on motion. Emphasis is placed on developing mathematical skills and analytical problem solving techniques. The laboratory classes complement the lectures; providing opportunities to validate mechanical principles in a quantitative manner.

**EXSS1026****Biomechanics A****Health Sciences**

**Credit points:** 3 **Teacher/Coordinator:** Dr Peter Sinclair **Session:** Semester 1 **Classes:** 2hrs lectures/week plus independent learning with web and tutor assistance **Assessment:** Mid semester written exam (40%), end semester written exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Phy), UG Study Abroad Program.

This unit provides an understanding of the principles and practice of biomechanics relevant to the analysis of movement associated with a wide range of human activities. The underlying principles of movement analysis are presented together with particular application to the analysis of human movement. These principles are applied in some detail to walking gait. There is an emphasis throughout the unit on the application of principles to problem solving in real situations in clinical and workplace contexts.

**EXSS1027****Biomechanics B****Health Sciences**

**Credit points:** 3 **Teacher/Coordinator:** Dr Peter Sinclair **Session:** Semester 2 **Classes:** 2hrs lectures/week plus independent learning with web and tutor assistance **Assumed knowledge:** BIOS1136 Functional Anatomy A, EXSS1026 Biomechanics A **Assessment:** Mid semester written exam (40%), end semester written exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Phy), UG Study Abroad Program.

This unit provides an understanding of the principles and practice of biomechanics relevant to the analysis of body loads and tissue stresses associated with a wide range of human activities. The impact of movement and muscle action on tissues is studied through the application of statics, kinetics, energy analysis, electromyography, tissue mechanics. Particular application of these principles is made to balance and stability, muscle-joint systems and simple lifting procedures. There is an emphasis throughout the unit on the application of principles to problem solving in real situations in clinical and workplace contexts.

**EXSS1028****Muscle Mechanics****Health Sciences**

**Credit points:** 4 **Teacher/Coordinator:** Mr Tom Gwinn **Session:** Semester 2 **Classes:** Two 1hr lectures/week, four 2hr practical sessions and five 1hr tutorials per semester **Assumed knowledge:** BIOS1137 Introductory Neuroscience **Assessment:** Mid semester exam (25%), end semester exam (75%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Phy), UG Study Abroad Program.

This unit focuses on the crossbridge cycle and the structure of the sarcomere as themes to explore skeletal muscle function and remodelling. Topic areas include: 1) how muscle produces active forces and power, accommodates length changes and develops passive force, (2) the functional implications of altered assemblies of sarcomeres in series or in parallel, (3) the sarcomere remodelling of muscle associated with chronic changes in use (i.e. hypertrophy, atrophy and length changes) and resultant functional, (4) the within- and between-muscle diversity in terms of fiber type diversity, motor unit diversity and whole-muscle architectural variation, and (5) the control of muscle activation both at cellular level (processes of excitation-contraction coupling) and at the whole muscle level (recruitment and rate coding). Practical classes examine muscle histology and architecture and the analysis of joint torques during maximal voluntary isometric, shortening and lengthening contractions.

### EXSS1029

#### Muscle Mechanics and Training Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mr Tom Gwinn **Session:** Semester 1, Semester 2 **Classes:** 3hrs lectures, 2 hrs practical/week **Assumed knowledge:** BIOS1137 Introductory Neuroscience or BIOS1166 Neuroscience, one of BIOS1130 Molecules and Energy, BIOS1167 Human Cell Biology, CHEM1101 Chemistry 1A, CHEM1001 Fundamentals of Chemistry 1A, EXSS1031 Cell Metabolism and Biochemistry **Assessment:** Mid semester exam (40%), end semester exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Phy), UG Study Abroad Program.

This unit focuses on the sarcomere, and its molecular components, as the basis of skeletal muscle function and adaptability. Starting from the cross bridge cycle, students progress to explore the functional implications of altered assemblies of sarcomeres in series or in parallel. Data is presented on sarcomere remodelling of human muscle in response to training and disuse. Students then apply this information to deduce the effects of these adaptations on muscle function, including alterations in the capacity to produce force and power, and on the passive length-tension properties of muscle. The control of muscle activation is examined both at the cellular level and at the whole muscle level. Students acquire professional skills through participation in a progressive high-resistance weight training program. Lecture material presents dose-response relations for high resistance training in terms of both minimal effective and optimal values for load, sets and frequency of training. Aspects related to cardiovascular risk and muscular injury relevant to high-resistance training are examined. Practical classes examine muscle structure and maximal voluntary responses.

*Textbooks*

No textbook required, students recommended to obtain unit of study manual

### EXSS1031

#### Cell Metabolism and Biochemistry Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Kieron Rooney **Session:** Semester 1 **Classes:** 2hrs lectures, 3hrs practical/week **Assumed knowledge:** Biology and Chemistry **Assessment:** Mid semester exam (25%), practical report, end semester exam (75%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), M N, UG Study Abroad Program.

This unit of study will introduce students to the foundations of biochemistry. Students will gain an understanding of basic chemistry principles such as acid-base balance, chemical reactivity and enzyme regulation through their applications to energy production and consumption during physical activity. This unit of study will develop an appreciation for the role of different cellular components and their function in cell to cell communication, transport of molecules and bioenergetics of macronutrients. This unit of study will include tutorials

and practical classes where students will gain some basic scientific and lab-based skills. Material covered in this unit of study will be used as a platform for further development in EXSS2017 Biochemistry of Exercise.

### EXSS1032

#### Fundamentals of Exercise Science Health Sciences

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3hrs lectures, 2 hrs practical/week **Assessment:** Assignment (20%), mid semester exam (25%), end semester exam (55%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), M N, B Hlth Sci, UG Study Abroad Program.

This unit encompasses the fundamental principles and practices of exercise science. The student will gain an understanding of the application of these principles to the assessment and development of physical fitness. The unit examines energy expenditure, the energetics of exercise, the measurement of human work performance and exercise responses in the laboratory, the assessment of aerobic and muscular fitness and the fundamentals of programming of cardiorespiratory and resistance training exercise programs for healthy, low-risk individuals. The instructions and techniques of resistance training will also be delivered.

### EXSS1033

#### Principles of Exercise Science Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Rhonda Orr **Session:** Semester 2 **Classes:** 3hrs lectures/week **Assessment:** Mid semester exam (30%), end semester exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Ex &Sp Sc), B Sc (Nutr), UG Study Abroad Program.

This unit provides the student with an understanding of the fundamental principles and practices of exercise science and its application to sport, fitness and rehabilitation. The unit examines the energetics of exercise, ergometry, standard screening procedures for fitness testing and the principles and practice of submaximal aerobic fitness testing.

### EXSS1035

#### Performance Analysis Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Mark Halaki **Session:** Semester 2 **Classes:** Two 1hr lectures, 2hr tutorial, practical/week **Assessment:** Practical skill proficiency exam (pass/fail), performance analysis report (15%), 2500 word group project, 1500 word individual critical review of journal paper (25%), final exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), M N, UG Study Abroad Program.

This unit introduces students to the use and process of scientific measurement and analysis both in the field and in research. The unit will cover aspects of performance analysis, quality of measurement, expression of raw data obtained from measurements, basic data analytical tools and the presentation of data in both a graphical and written format. Measurement, analysis and presentation of data are fundamental to exercise science. Acquisition of these skills is vital for students to be able to read and critically evaluate the research of others. It is expected that the knowledge obtained and the skills learnt in Performance Analysis will assist students in several units of study in Years 2 and 3 of their degree.

### EXSS2015

#### Kinesiology for Occupational Therapy Health Sciences

**Credit points:** 3 **Session:** Semester 2 **Classes:** Two 1hr lectures, two 2hr tutorials, practical/week **Prerequisites:** BIOS1136 Functional Anatomy A, BIOS1139 Functional Anatomy B **Assessment:** End semester exam (55%),

attendance and involvement tutorials/pracs (10%), task analysis (35%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT), B Hlth Sci, UG Study Abroad Program.

This unit of study will focus on concepts of biomechanics and kinesiology will be applied to situations which have specific implications for occupational therapy practice and intervention in activities of daily living and the workplace. Included in these applications are the use of electromyography, biomechanics of lifting techniques and manual handling as well as the kinesiology of the trunk and upper limb.

*Textbooks*

Greene S and Roberts S, Kinesiology, Movement in the Context of Activity, Mosby (1999)

## EXSS2016

### Motor Control

#### Health Sciences

**Credit points:** 3 **Session:** Semester 1 **Classes:** 2hrs lectures, 2hrs tutorials/week **Prerequisites:** BIOS1137 Introductory Neuroscience **Assessment:** Mid semester exam, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, B Hlth Sci, UG Study Abroad Program.

This unit aims to provide students with an in-depth understanding of the control and acquisition of motor behaviours from the perspective of neuroscience. It will examine the nature and cause of movement and the maintenance of posture and balance. Models will be developed which emphasise the control of movement as an interaction between the nervous system, skeletal muscle and the environment. This unit considers the mechanics of movement and clinical disorders to extend the application of the motor system model.

## EXSS2017

### Biochemistry of Exercise

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Kieron Rooney **Session:** Semester 1 **Classes:** 3hrs lectures, 3hrs practicals (alternate weeks) **Prerequisites:** EXSS1031 Cell Metabolism and Biochemistry **Assessment:** Mid semester exam (35%), end semester exam (50%), reports (12%), prac (3%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex & Sp Sc), UG Study Abroad Program.

This unit investigates the biochemical strategies that maintain energy balance in exercising muscle. The structure of the ATP producing pathways and their kinetic characteristics in terms of maximum flux and flux capacity will be described. The role of signals representing exercise intensity and duration in the regulation of oxidative phosphorylation, glycolysis and creatine kinase reaction will be examined in depth. These mechanisms will be demonstrated by reference to specific examples of high power output (sprinting) and long duration (endurance) activities. The processes of fuel mobilisation during exercise and of fuel storage at rest will be described.

## EXSS2018

### Biomechanical Analysis of Movement

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Benedicte Vanwanseele **Session:** Semester 1 **Classes:** 2hrs lectures, 2hrs practicals **Prerequisites:** EXSS1018 Biomechanics of Human Movement **Assessment:** Group project, mid semester exam, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), UG Study Abroad Program.

The main emphasis of this unit is in developing practical expertise in techniques for the biomechanical analysis of human movement. Students conduct a 2D video analysis project that makes use of a sophisticated computer software package (APAS). A secondary component of this unit is aimed at further development of mathematical and problem-solving skills. Topics include static and dynamic equilibrium, calculation of centre of mass, and determination of joint torques using inverse dynamics.

## EXSS2019

### Exercise Physiology - Acute Responses

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Chin Moi Chow **Session:** Semester 1 **Classes:** 3hrs lectures, 2hrs practicals, 1hr tutorials **Assumed knowledge:** BIOS1133 Body Systems: Structure and Function I, either EXSS1032 Fundamentals of Exercise Science or EXSS1033 Principles of Exercise Science **Assessment:** Mid semester exam, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B Hlth Sci, UG Study Abroad Program.

This unit will investigate the acute responses to exercise, with a specific emphasis on the roles of respiratory system and the cardiovascular system in oxygen transport and the significance of submaximal and maximal oxygen consumption during exercise. In addition, the concepts of acid-base balance during exercise and of lactate and ventilatory thresholds will be examined. Factors determining provision and oxidation of substrate and interactions among carbohydrates and fatty acids will also be investigated. The cellular events underlying muscle plasticity will be considered in relation to their influence on muscle performance or fatigue. The practical sessions play an essential role in this unit of study with students acquiring skills in the collection of cardiorespiratory data, respiratory gas analysis and metabolic calculations. The practical content of the unit, together with the practicals for the unit of study EXSS2022 Exercise Physiology Training Adaptation (Semester 2), is based on the model of assessment/exercise prescription/reassessment which forms the core of future professional practice.

## EXSS2021

### Nutrition, Health and Performance

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Helen O'Connor **Session:** Semester 2 **Classes:** 3hrs lectures, 3hrs practicals (alternate weeks) **Prerequisites:** EXSS2017 Biochemistry of Exercise **Assessment:** End semester exam, poster assignment, practical book **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex & Sp Sc), UG Study Abroad Program.

This unit provides students with an understanding of the principles of nutrition to optimise physical performance in sport, recreation and occupation. This unit defines the importance of macro and micro nutrients in the maintenance of health, and the specific roles of carbohydrate, protein and lipids in energy metabolism during exercise. In addition, the interaction between dietary intake and physical activity and its effects on energy-balance, cardiovascular health and other lifestyle diseases are considered.

## EXSS2022

### Exercise Physiology Training Adaptations

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Chin Moi Chow **Session:** Semester 2 **Classes:** 3hrs lectures, 2hrs practicals **Prerequisites:** EXSS2019 Exercise Physiology - Acute Responses **Assumed knowledge:** EXSS2017 Biochemistry of Exercise or BCHM2072 Human Biochemistry **Assessment:** Mid semester exam, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), UG Study Abroad Program.

This unit is concerned with the physiological adaptations associated with training. This unit will focus on cardiorespiratory and metabolic adaptations to endurance, high resistance and interval/sprint training. The implications of training will be discussed with respect to improved fatigue resistance, resulting from changes in the structural and functional capacities of organ systems under normal conditions as well as altered environmental conditions such as altitude and temperature. The mechanisms behind muscle damage and fatigue, including acidosis and excitation-coupling failure, will be examined in the untrained individual and the elite athlete with respect to their specific stimulus and appropriate recovery. This unit will build on fundamental topics of EXSS2019 Exercise Physiology - Acute Responses, and will apply theory to practice with a hands-on approach through the conduct of both sprint and endurance training programs.

**EXSS2024****Applied Physiology  
Health Sciences**

**Credit points:** 5 **Teacher/Coordinator:** Mr Phillip Chapman **Session:** Semester 1 **Classes:** 3hrs lectures/week, 3hrs tutorials, two 2hr practical sessions **Prerequisites:** BIOS1133 Body Systems: Structure and Function I **Assessment:** Mid semester exam (20%), end semester exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phy), UG Study Abroad Program.

The aim of this unit is to provide students with a broad understanding of the physiological responses and adaptations to physical activity and inactivity. The unit has a primary focus on the application of exercise as both a treatment modality and a tool in rehabilitation. The unit describes the basic metabolic, cardiovascular, respiratory, endocrine responses and adaptations to exercise training in healthy, asymptomatic individuals (children, adults and the elderly). The normal exercise response is compared with that in health disorders such as diabetes, arthritis, and heart and lung disease. Particular attention is given to exercise testing and the application of exercise training in clinical practice.

**EXSS2025****Motor Control and Learning  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Nicholas O'Dwyer **Session:** Semester 2 **Classes:** 2hrs lectures, 2hrs tutorials/week **Assessment:** Tutorial presentation (15%), self scored mid semester exam (MCQ, SAQ) (0%), group training project report (35%), end semester exam (MCQ, SAQ) (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Ex &Sp Sc), M N, B App Sc (Phy), B Hlth Sci, UG Study Abroad Program.

This unit of study provides students with a broad overview of motor control and learning with the aim of stimulating them to think about the mechanisms of normal human movement. Both a behavioural and a neurophysiological approach are taken to the acquisition and execution of skilled motor actions. The behavioural approach is directed at the structures and processes underlying movement without considering their physical basis, while the neurophysiological approach is directed at the neuromuscular machinery and the functional neural connections that govern movement. The unit consists of 3 modules. The first module examines the information processing and energetic capacities of the learner that underpin motor performance; that is, characteristics of the perceptual-motor system such as memory, attention, reaction time, speed-accuracy trade-off, force control, economy of energy, coordination, automaticity, lateralisation, arousal and stress, talent and expertise. The second module examines features of the learning environment that can be manipulated to promote motor learning such as goals, motivation, instruction, practice conditions and feedback. The third module examines applications to teaching motor skills, coaching and rehabilitation and includes a group project in which a motor skill is trained, thereby enabling students to apply the principles of motor control and learning that they have learned.

**EXSS2026****Growth, Development and Ageing  
Health Sciences**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3hrs lectures, 1hr tutorial/week **Assessment:** Mid semester exam (25%), assignment (20%), end semester exam (55%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr), B App Sc (Ex &Sp Sc), M N, B Hlth Sci, UG Study Abroad Program.

This unit of study aims to provide the student with an appreciation of growth, development and ageing of the human across the lifespan. Physiologic changes, motor skill development and physical performance will be examined and related to morphology and stages of childhood and adolescent growth. The relationships between growth, development, gender and physical activity will be explored. The

biological changes and consequences of ageing on physiologic and psychological health, disease and exercise capacity will be investigated. The student will also be able to gain an understanding of exercise prescription for pregnant women, children, adolescents and older adults.

**EXSS2027****Exercise Physiology for Clinicians  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Dr Chin Moi Chow **Session:** Semester 1 **Classes:** 3hrs lectures, 2 hrs practical/week **Assumed knowledge:** EXSS1032 Fundamentals of Exercise Science, BIOS1133 Body Systems: Structure & Function 1 **Assessment:** Mid semester exam (20%), end semester exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex &Sp Sc), M N, B App Sc (Phy), B Hlth Sci.

This unit has a major focus on the acute cardiorespiratory and haemodynamic response to exercise in both healthy and diseased populations. The measures of maximal oxygen consumption and anaerobic threshold as determinants of cardiorespiratory performance in endurance events are discussed. In relation to these measures, the concept of acid-base balance is introduced. Physiological adaptations associated with endurance, high resistance and interval/sprint training will be explored. Students will learn the mechanisms behind muscle damage and fatigue. The approach will be integrative, with particular attention given to the regulation of the changes in the cardiorespiratory, and metabolic systems during exercise.

**EXSS2028****Exercise Physiology and Biochemistry  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Dr Chin Moi Chow **Session:** Semester 1 **Classes:** 3hrs lectures, 2hrs practical/week **Prohibitions:** EXSS2017 Biochemistry of Exercise, EXSS2019 Exercise Physiology - Acute Responses **Assumed knowledge:** EXSS1032 Fundamentals of Exercise Science or EXSS1033 Principles of Exercise Science **Assessment:** 1hr mid semester exam, 2hr end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex, SS&Nut)Hons, B App Sc (Ex &Sp Sc), B App Sc (Ex &Sp Sc), B Sc (Nutr).

This unit discusses the acute responses to exercise with a specific emphasis on the roles of the respiratory and cardiovascular systems in oxygen transport and the significance of sub-maximal and maximal oxygen consumption in the limitations to performance. Furthermore, this unit develops an understanding of the specific metabolic response to exercise at the peripheral cellular level and the biochemical strategies that maintain energy balance during exercise and a return to homeostasis in recovery. Students will put theory into practice with weekly laboratory tasks that encourage skill acquisition in the collection of real-time physiological data of the respiratory and cardiovascular response to exercise and subsequent metabolic calculations for the discussion of fuel mobilisation during exercise.

**EXSS3019****Applied Physiology  
Health Sciences**

**Credit points:** 3 **Teacher/Coordinator:** Mr Phillip Chapman **Session:** Semester 2 **Classes:** Lectures and practicals (28hrs) **Assessment:** Mid semester exam (20%), end semester exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT), B App Sc (OT) Hons, UG Study Abroad Program.

This unit deals with the integration of body functions during work and exercise. It includes basic and applied aspects of muscle function, temperature regulation, energy metabolism and respiratory and cardiovascular physiology. Processes associated with physical work capacity, training and adaptation to physical activity will also be examined with reference to special populations, e.g., the aged, disabled.



**EXSS3023****Exercise Testing and Prescription  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Dr Corinne Caillaud **Session:** Semester 1 **Classes:** 3hrs lectures, 2hrs practicals **Assumed knowledge:** EXSS2022 Exercise Physiology Training Adaptations or EXSS2027 Exercise Physiology for Physicians **Assessment:** Mid semester exam, assignment, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, Health Sciences UG Cross Inst, UG Study Abroad Program.

This unit is designed to provide a comprehensive and critical examination of exercise testing and programming in low-risk populations. The scientific evidence for exercise dosages for aerobic exercise and resistance training required for health and fitness outcomes will be critically reviewed. Other aspects of exercise programming such as flexibility, warm up and instructional technique will also be covered in this unit. Through the use of lectures and case studies, students will learn how to integrate both the physiological components and logistical aspects of exercise performance, to devise individualised exercise test batteries and prescriptions. Although not a co-requisite, students will benefit from undertaking EXSS3024 Exercise, Health and Disease in parallel with Exercise Testing and Prescription.

**EXSS3024****Exercise, Health and Disease  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Dr Jacqui Raymond **Session:** Semester 1 **Classes:** 3hrs lectures, 2hrs practicals **Assumed knowledge:** Either EXSS2027 Exercise Physiology for Clinicians or both EXSS2019 Exercise Physiology - Acute Responses and EXSS2022 Exercise Physiology Training Adaptations **Assessment:** Case study exam, end semester exam, prac exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, Health Sciences UG Cross Inst, UG Study Abroad Program.

The aim of this unit is to investigate the application of exercise science to the promotion and maintenance of health via the prevention of chronic disease and the management of people suffering from chronic disease. Students will explore a range of topics including pathophysiology, risk assessment, clinical exercise testing, the role of exercise and client monitoring. Emphasis will be placed on the scientific evidence underpinning the use of exercise and effective doses in those chronic diseases which are responsive to an exercise intervention. The chronic disease conditions covered include metabolic syndrome, diabetes and cardiovascular disease.

**EXSS3027****Exercise and Rehabilitation  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Dr Jacqui Raymond **Session:** Semester 2 **Classes:** 3hrs lectures, 2hrs practicals **Prerequisites:** EXSS3024 Exercise, Health and Disease **Assumed knowledge:** EXSS2019 Exercise Physiology - Acute Responses, EXSS2022 Exercise Physiology Training, EXSS2027 Exercise Physiology for Clinicians **Assessment:** Prac exam, case study exam, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, UG Study Abroad Program.

This unit examines the pathophysiological basis of exercise limitations and the use of exercise in the management of a range of musculoskeletal and respiratory conditions such as osteoarthritis, asthma and chronic obstructive pulmonary disease. Throughout the unit, discussion of the effects of disease on the exercise response is used to enhance understanding of normal exercise physiology and biomechanical function. Similar attention is paid to the contributions of disuse and deconditioning to exacerbation of exercise impairment imposed by disease or injury. Completion of 140 hours of workplace experience is a requirement for successful completion of

Exercise and Rehabilitation, and this can be accrued during the undergraduate program.

**EXSS3036****Research and Practice  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Halaki **Session:** Semester 1 **Classes:** Two 1hr lectures, 2hr practical/week **Assumed knowledge:** Basic biomechanics, physiological and motor learning principles, basic hypothesis training, elementary knowledge of exercise science industry **Assessment:** 1hr exam (35%), 2500 word research report (35%), 3000 word assignment (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex & Sp Sc), UG Study Abroad Program.

The aim of this unit is to explore (i) the scientific method using knowledge integrated from previous units of study, and (ii) professional issues related to practice in the field of exercise and sport science. This exploration will include: critical review of scientific writing, proposing research, the communication of scientific knowledge, research design, data collection, data analysis, statistical tests, ethics in research, evidence-based practice and professional and ethical behaviour. Activities and assessment will focus on practical applications in exercise and sport science. Emphasis will be placed on generic skills such as communication, teamwork, independent and critical thinking and practical skills.

**EXSS3037****Exercise Pharmacology & Immunology  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Dr Rhonda Orr **Session:** Semester 1 **Classes:** 3hrs lectures, 2hrs tutorial/week **Prerequisites:** BIOS1133 Body Systems Structure and Function I, BIOS2098 Body Systems Structure and Function II, EXSS2019 Exercise Physiology - Acute Responses **Assessment:** Assignment (20%), mid semester exam (30%), end semester exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), B Sc (Nutr), UG Study Abroad Program.

This unit of study will introduce the student to the principles of pharmacology and immunology. Students will gain an understanding of the pharmacokinetic and pharmacodynamic action of drugs in the body. Drugs used for therapeutic medication, for recreational purposes and for performance enhancement in sport, as well as the interaction of exercise and drug action will be explored. The nature of immunity, the immune response, pathological disorders of the immune system and effects of exercise on the immune system will be examined.

**EXSS3038****Ergonomics  
Health Sciences**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2hrs lectures, 2hrs practical/week **Assumed knowledge:** BIOS1159 Functional Anatomy A - Exercise, BIOS1160 Functional Anatomy B - Exercise, EXSS1018 Biomechanics of Human Movement **Assessment:** Mid semester exam (30%), assignment (30%), end semester exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex & Sp Sc), B App Sc (Ex & Sp Sc), M N, UG Study Abroad Program.

Ergonomics is concerned with optimising health, safety and performance in human activities. This unit will broaden the student's knowledge of human tolerance to physical tasks by considering tasks performed across a spectrum of settings, including occupational, sport, and activities of daily living. Specifically through the application of anatomy, biomechanics, and exercise and environmental physiology an understanding of the principles of matching environmental and task related parameters to human characteristics will be developed. This knowledge has application to OH&S, sport safety and the development of accessible environments for functionally impaired.

**Textbooks**

Bridger RS, Introduction to Ergonomics (2nd ed), Taylor & Francis, London (2003)

**EXSS3040****Physiological Testing and Training**

## Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Corinne Caillaud **Session:** Semester 2 **Classes:** 2hrs lectures, 2hrs practical/week **Prerequisites:** EXSS2022 Exercise Physiology Training Adaptations **Assessment:** Mid semester exam (40%), end semester exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex & Sp Sc), UG Study Abroad Program.

This unit of study provides students with both theoretical knowledge and practical skills (laboratory and field-based) for the physiological assessment and training of elite athletes. The application of current tests and measurements in sports science together with training theory and practice will be critically reviewed. Special attention will be given to the role of speed, strength and endurance in sports performance. Fundamental questions concerning the nature of the training stimulus, training thresholds, plasticity of muscle, dose-response relationships, detraining and overtraining will be investigated. Teaching and learning strategies include lectures, case studies, practical test and measurement skills. On completion of this unit of study students will demonstrate competency within the sports testing environment and a capacity to provide well researched consultancy advice on sports training theory and practice.

### EXSS3041

#### Management, Marketing and the Law

## Health Sciences

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2hrs lectures, 1hr tutorial/week **Assessment:** Assignment (40%), end semester exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex & Sp Sc), B Hlth Sc (Hons), B Hlth Sc (Rehab Cing), B Hlth Sc (Rehab Cing) Hons, B Hlth Sci, UG Study Abroad Program.

This unit presents an overview of starting a small business, adapting current marketing principles and being aware of the many pitfalls that will be encountered along the way. Attention is given to the fundamentals of business planning, staff structuring, and understanding of current occupancy costs together with an insight into the basics of budgetary controls. Media buying, advertising and franchising are also reviewed. Proficiency in the area of legal obligations for leasing, insurance, consumer protection, third party liability and associated legislative obligations such as Occupational Health and Safety is developed. Negotiation skills and business obligations are introduced to augment the level of expertise when leaving university to work within an established firm or commence your own practice, partnership or solely owned company.

### EXSS3042

#### Nutrition for Health, Exercise & Sport

## Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Helen O'Connor **Session:** Semester 1 **Classes:** Three 1hr lectures/week for 4 weeks, two 1hr lectures for 9 weeks, one 1hr tutorial for 9 weeks **Prerequisites:** EXSS2027 Exercise Physiology for Clinicians **Assessment:** Poster presentations (10%), case-based small group work assignments (20%), practical anthropometry examination (20%), end semester exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B App Sc (Ex & Sp Sc), M N, UG Study Abroad Program.

This unit provides students with background knowledge in nutrition as applied to public health and exercise performance. Emphasis is given to the major, nutrition related public health issues faced by western countries including the impact of diet on obesity, diabetes mellitus, cardiovascular disease and cancer. Students will learn to appreciate how manipulation of diet is used in the management of the abovementioned lifestyle diseases. In addition, students will learn about the way diet can optimise exercise performance through provision of adequate energy and ideal distribution of macronutrients. Use of dietary supplements and nutritional ergogenic aids and the benefit of sports nutrition strategies such as 'carbohydrate loading' will also be a focus. This unit of study has a strong practical emphasis.

### EXSS3043

#### High Performance Coaching

## Health Sciences

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1hr lectures, 2hr practical, tutorial/week **Prohibitions:** EXSS1034 Sport Coaching **Assumed knowledge:** EXSS2016 Motor Control, EXSS2023 Growth, Development and Ageing, BACH1161 Introduction to Behavioural Science **Assessment:** 2000 word report (40%), 1500 word review (30%), 2hr exam (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex & Sp Sc), UG Study Abroad Program.

This unit provides an introduction to the principles of sports coaching and the role of a high performance coach. The unit aims to integrate and apply the concepts acquired over the course of the degree. Students will conduct athlete profiling, sports analyses and performance analyses for the development of periodised training programs. The psychological and behavioural aspects of sport and training will also be explored, providing students with practical skills essential for the development of optimum athletic performance. Students will develop practical knowledge relating to the application of motor control and learning in skill acquisition. The issue of talent identification will be explored using relevant knowledge acquired from previous units of study. Students will also be able to draw on their understanding of various physical and psychological disorders to examine the area of inclusive coaching/athletes with disabilities. The emerging area of athlete development will be discussed, focusing on the promotion of educated and rounded athletes to enhance both competitive performance and life after sport. Legal and business considerations relating to sports coaching, and the structure of the Australian coaching scheme will be explored to provide students with an understanding of the sport and coaching industries.

### EXSS3044

#### Biomechanics of Sports Techniques

## Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Edouard Rene Ferdinands **Session:** Semester 1 **Classes:** Two 1hr lectures, two 1hr tutorials/week **Assessment:** 1hr mid semester exam (20%), written assignment (20%), 2hr end semester exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex & Sp Sc).

The prime focus of this unit is the application of biomechanical principles to the analysis, understanding, assessment, feedback and improvement of techniques to enhance sport performance. Students will be introduced to the biomechanical analysis of various popular sports such as cricket, golf, soccer, weight lifting, tennis, throwing, etc. Many of the case studies involve the development of practical assessment competency. Skills include the development of a qualitative analysis framework in which to use biomechanical principles to analyse all sporting techniques. On completion of this unit, students will have the specialised knowledge to work with athletes in sports testing environment, and develop a career in which they can work with elite coaches and athletes.

### EXSS3045

#### Professional Practice

## Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 2hr lectures, tutorials/week in first 3 weeks of semester, 140hrs professional experience **Assessment:** Individual report, completion of at least 140hrs practicum **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Ex & Sp Sc).

The aim of this unit is to engage students in practical experiences relevant to exercise science. These experiences will reinforce theoretical knowledge and practical skills acquired through university studies. Students will complete at least 140 hours of supervised practicum in relevant areas such as exercise testing and exercise delivery. Opportunities for appropriate placements will be advertised to students, however students may also seek their own opportunities. Although this unit runs for only one semester, students may wish to (and are encouraged) to acquire supervised practicum hours throughout their degree selecting placements which are consistent with their knowledge and skills at various stages of the degree. This

unit also includes some lecture and tutorial content covering issues related to professional practice.

### EXSS3046

#### Clinical Exercise Practice Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Jacqui Raymond **Session:** Semester 2 **Classes:** 4hrs lectures, tutorials, practical/week **Prerequisites:** EXSS3023 Exercise Testing and Prescription, EXSS3024 Exercise, Health and Disease, EXSS3037 Exercise Pharmacology & Immunology **Corequisites:** EXSS3027 Exercise and Rehabilitation, EXSS3038 Ergonomics **Assessment:** Written assignment, practical competency assessment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Ex & Sp Sc).

This unit introduces students to a range of issues related to exercise physiology professional practice and service delivery. Topics covered include oral and written communication skills and clinical decision making. Students will also undertake practical work with clients. This practical work will reinforce the content covered in lectures/tutorials and allow the student to build their confidence and skill level in an area of exercise delivery for clinical populations. Students will need to be flexible with times for practical work as this will depend on clinical resources.

### EXSS3047

#### Nutrition Practice for Health & Exercise Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Helen O'Connor, Dr Kieron Rooney, Dr Nathan Johnson **Session:** Semester 1 **Classes:** 2hr lecture/week for 8 weeks, 2hr tutorial for 5 weeks, 2hr practical for 2 weeks (or additional 12hrs if students elect to complete anthropometry accreditation) **Corequisites:** NUTR3911 Nutritional Assessment Methods, NUTR3921 Methods in Nutrition Practice **Assessment:** Group presentation (30%), final exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex, SS&Nut)Hons, B App Sc (Ex & Sp Sc), B Sc (Nutr).

This unit provides the theoretical background supporting the manipulation of diet to enhance sports performance. Students will learn about the way diet can optimise exercise performance through the provision of adequate energy and ideal distribution of macronutrients. Use of dietary supplements and nutritional ergogenic aids and the benefit of sports nutrition strategies such as 'carbohydrate loading' will also be a focus. This unit of study has a strong practical emphasis so that in addition to the provision of a theoretical rationale for diet manipulation, students will be introduced to practical diet strategies to improve nutritional status and exercise performance. Students will have the opportunity to undertake a small research project and be given the opportunity to attain a Level 1 International Society for Kinanthropometry accreditation via practical sessions in this unit.

#### Textbooks

Burke L and Deakin V, Clinical Sports Nutrition, McGraw-Hill, Sydney (2006)

### EXSS3048

#### Applied Nutrition Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Helen O'Connor, Dr Kieron Rooney, Dr Nathan Johnson **Session:** Semester 1 **Classes:** 2hr lectures, 2hr practical classes/week **Assessment:** Presentation, report, practical exam, end semester exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit is not available in 2009*

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex, SS&Nut)Hons, B App Sc (Ex & Sp Sc), B Sc (Nutr).

This unit provides students with background knowledge in nutrition as applied to public health and exercise performance. Emphasis is given to the major, nutrition-related public health issues faced by western countries including the impact of diet on obesity, diabetes mellitus, cardiovascular disease and cancer. Students will study how diets and individuals can be assessed for nutritional adequacy and

how diet can be manipulated to treat the above mentioned lifestyle diseases. In addition, students will learn about the way diet can optimise exercise performance through provision of adequate energy and ideal distribution of macronutrients. Use of dietary supplements and nutritional ergogenic aids and the benefit of sports nutrition strategies such as 'carbohydrate loading' will also be a focus. This unit of study has a strong practical emphasis so that in addition to provision of a theoretical rationale for diet manipulation, students will be introduced to practical diet strategies used to improve nutritional status and exercise performance. An opportunity to attain a Level 1 International Society for Kinanthropometry accreditation will also be available through the practical anthropometry classes in this unit of study.

#### Textbooks

Burke L and Deakin V, Clinical Sports Nutrition, McGraw-Hill, Sydney (2006)

### EXSS3801

#### Exercise and Sport Exchange Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Ex & Sp Sc).

Students enrolled at the University of Sydney who wish to take the equivalent of a 6 credit point senior unit of study at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Head, Discipline of Exercise & Sport Science.

### EXSS3802

#### Exercise and Sport Exchange Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Ex & Sp Sc).

Students enrolled at the University of Sydney who wish to take the equivalent of a 6 credit point senior unit of study at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Head, Discipline of Exercise & Sport Science.

### EXSS3803

#### Exercise and Sport Exchange Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Ex & Sp Sc).

Students enrolled at the University of Sydney who wish to take the equivalent of a 6 credit point senior unit of study at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Head, Discipline of Exercise & Sport Science.

### EXSS3804

#### Exercise and Sport Exchange Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Ex & Sp Sc).

Students enrolled at the University of Sydney who wish to take the equivalent of a 6 credit point senior unit of study at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Head, Discipline of Exercise & Sport Science.

#### **EXSS4004**

##### **Honours Thesis A**

##### **Health Sciences**

**Credit points:** 24 **Teacher/Coordinator:** Dr Chin Moi Chow **Session:** Semester 1 **Classes:** No on-campus classes, although workshop attendance is compulsory **Assessment:** Continuous assessment, thesis examination **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex, SS&Nut)Hons, B App Sc (Ex &Sp Sc)Hons.

Honours students undertake a research project in an area of exercise and sport science. Each student designs and implements an approved research project, and submits a thesis describing the project and its implications. In completing the research thesis, the student works closely with an academic staff member who serves as the supervisor.

#### **EXSS4005**

##### **Honours Thesis B**

##### **Health Sciences**

**Credit points:** 24 **Teacher/Coordinator:** Dr Chin Moi Chow **Session:** Semester 1, Semester 2 **Classes:** No on-campus classes, although workshop attendance is compulsory **Prerequisites:** EXSS4004 Honours Thesis A **Assessment:** Continuous assessment, thesis examination **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex, SS&Nut)Hons, B App Sc (Ex &Sp Sc)Hons.

Honours students will complete their research projects and write a thesis describing the project and its implications. Students will continue to work closely with the academic staff member who is their supervisor.

# University undergraduate units of study – F

## FCNH3013

### Research in Nursing Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 2 **Classes:** study days **Assessment:** research proposal, exam, online quiz **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B N.

This unit of study aims to foster the notion that nursing research is integral to all aspects of nursing theory, education, applications and practice. Students will explore a range of quantitative and qualitative research techniques. This unit will help prepare students for future research activities.

## FCNU2002

### Family Health Nursing Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 1 **Classes:** Lectures, tutorials and clinical laboratory sessions, clinical placements and formal assessment of clinical performance **Prerequisites:** CLIN1001 and CLIN1002 **Assessment:** Report, presentation, exam, off-campus clinical record book **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B N, B N (I A H), B N, B A, B N, B Sc.

This unit of study focuses on the role of the family in promoting and safeguarding the health and well being of its members at all stages of human development. The unit will assist students to develop tolerance and understanding of the great diversity of family life in modern Australia. The unit will follow the development of the individual family member from conception and birth, through childhood, adolescence, adulthood and old age. It will enable students to develop the nursing knowledge and skills to assist families in maximising their health.

## FCNU2003

### Chronicity and Palliation in Nursing Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 1 **Classes:** Lectures, study days, clinical laboratory sessions, clinical placements and formal assessment of clinical performance **Prerequisites:** CLIN1001 and CLIN1002 **Assessment:** drug calculation test, essay, exam, clinical performance appraisal (CPA)\*, off-campus clinical performance\* **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B N, B N (I A H), B N, B A, B N, B Sc.

This unit will build on the understanding of nursing practice commenced within preceding units. The unit will specifically address nursing practices that are designed to meet the needs of individuals and families who are either living with long term health problems or disabilities, or terminal illness. An emphasis will be placed on an holistic approach to nursing care in a variety of health care settings.

## FCNU3001

### Complex Mental Health Nursing Nursing and Midwifery

**Credit points:** 8 **Session:** Semester 1 **Classes:** lectures, tutorials, clinical laboratory sessions, clinical placements and a formal assessment of clinical performance. **Prerequisites:** All Year 1 and Year 2 units of study. **Assessment:** case management plan and annotated appendix resources, written examination, off-campus clinical performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B N, B N (I A H), B N, B A, B N, B Sc, UG Study Abroad Program.

This unit extends knowledge and skills introduced in the unit of study, Mental Health Nursing. Issues of more complexity within mental health will be addressed. The effect on the on the mental health and lifestyle of the individual and family and/or significant others of issues such as addiction and homelessness will be considered. Post-traumatic stress in relation to victims of torture, trauma and incarceration will be explored. The principles of primary health care will be integrated in the development of nursing care for people experiencing identified psychopathologies in acute mental health settings and for individuals experiencing enduring chronic mental illness. Students will assess the principles of occupational health and safety and apply the principles of de-escalation, extending skills in micor-counselling. The principles of least to most restrictive mental health nursing environments (as per the National Standards of Mental Health Care) will be explored. Evidenced based strategies for preventing and managing violence which students can then apply in maintaining a safe environment in their clinical practice will be introduced. Students in this unit of study will identify and critique published research as it informs their developing practice and relates to the development of mental health nursing. They will also appraise research development opportunities in mental health by identifying research possibilities for mental health nursing and society.

## FCNU3002

### Community Health Nursing Nursing and Midwifery

**Credit points:** 8 **Session:** Semester 2 **Classes:** lectures, tutorials, clinical placements and clinical assessment **Prerequisites:** All Year 1 and Year 2 units of study, CLIN3001, FCNU3001. **Assessment:** drug calculation test, tutorial presentation, exam, clinical assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B N, B N (I A H), B N, B A, B N, B Sc, UG Study Abroad Program.

This unit is designed to provide students with a broad knowledge base in the concepts and practices pertaining to community health nursing. This area of practice is concerned with the health of the community as a whole, and the groups and individuals that are part of the community. The practice of community nursing is based on primary health care principles such as equity, access, empowerment, self-determination and inter-sectorial collaboration. The role of the community nurse, which includes care provider, educator, case manager, coordinator, counsellor, advocate and researcher, will be identified. Students will build on their knowledge of the physical, psychological, socio-cultural, politico-economic and environmental factors that influence community health through the lifespan. Health promotion and disease prevention across the health - illness continuum for defined populations in community based settings will be emphasised. Current health promotion concepts, theories and models will be explored and competencies in health promotion will be developed. Epidemiological concepts and methodologies integral to the understanding of community health and community nursing will be examined. The identification of individuals and populations at risk and the planning, implementing and evaluating of health services will demonstrate the relationship between community nursing and epidemiology.

## FCNU3009

### Older Adults: Acute Care Nursing and Midwifery

**Credit points:** 8 **Session:** Semester 2 **Classes:** lectures, tutorials, clinical laboratory sessions, clinical placements and a formal assessment of clinical performance **Prerequisites:** All Year 1 and Year 2 units of study, CLIN3001, FCNU3001. **Assessment:** learning contract, literature review, essay,



presentation, clinical assessment, exam **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B N, B N, B A, B N, B Sc, UG Study Abroad Program.

Australia, as well as many other countries, is experiencing an explosion in the number of people entering old age and in particular old-old age. Increasingly, nurses are called upon to provide care for older adults in hospital, community and long-term facilities. To provide optimal and relevant care, nurses require knowledge of normal ageing changes as well as the different ways in which disease presents in older adults (both Indigenous and non-Indigenous) compared to younger adults. In addition, there are some diseases that are more common to older adults, eg. Alzheimer's disease and others, that have significant implications for them (eg. complications related to being bed- or chairbound). This unit will examine myths, attitudes and perceptions about the elderly as well as developing students' understanding of acute health problems experienced by older adults in modern societies. It includes a period of clinical education in a specialised setting responsible for the management of older adults.

### FILM2810

#### Film Studies Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons).

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point junior unit of study in Film at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Undergraduate Studies Coordinator.

### FILM2811

#### Film Studies Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons).

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point junior unit of study in Film at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Undergraduate Studies Coordinator.

### FILM2812

#### Film Studies Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons).

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point junior unit of study in Film at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Undergraduate Studies Coordinator.

### FILM2813

#### Film Studies Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons).

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point junior unit of study in Film at an approved overseas

university should enrol in this unit. Such students must seek approval for their proposed course of study from the Undergraduate Studies Coordinator.

### FILM2814

#### Film Studies Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons).

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point junior unit of study in Film at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Undergraduate Studies Coordinator.

### FILM2815

#### Film Studies Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons).

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point junior unit of study in Film at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Undergraduate Studies Coordinator.

### FILM4101

#### Film Studies Honours A Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr R Smith **Session:** Semester 1, Semester 2 **Classes:** One 2 hour film screening and one 2 hour seminar per unit per week **Prerequisites:** The prerequisite for Film Studies honours is a credit average in 48 senior credit points of Film Studies. If you do not have this prerequisite please contact the Film Studies coordinator or office to determine possible waiving of the prerequisite. The honours year comprises two semester-long units of study and a thesis of 15,000 -18,000 words in length. Film Studies honours students can commence their study either at the beginning of the year or mid-year. **Assessment:** Film Studies IV has 3 components: a thesis and two semester length option courses. The thesis will be worth 60% of your final result and the two options will each count for 20% of the final result. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B A Informatics(Hons), B Soc Sci (Hons).

### FILM4102

#### Film Studies Honours B Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** FILM4101 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A Informatics(Hons), B Soc Sci (Hons).

Please refer to FILM4101

### FILM4103

#### Film Studies Honours C Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** FILM4102 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A Informatics(Hons), B Soc Sci (Hons).

Please refer to FILM4101

### FILM4104

#### Film Studies Honours D

**Arts**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** FILM4103  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A Informatics(Hons), B Soc Sci (Hons).  
 Please refer to FILM4101

**FINC2011****Corporate Finance I****Economics and Business**

**Credit points:** 6 **Session:** Semester 1, Semester 2, Summer Early, Summer Late, Winter Main **Classes:** 2hrs of lectures and 1 x tutorial per week  
**Prerequisites:** ECON1001 and ECON1002 and ECMT1010 and (ACCT1001 or ACCT1003) **Prohibitions:** FINC2001 **Assessment:** 1 x 3hr exam, Assignments, Mid-semester test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Study in Finance commences in second year.*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program, UG Summer/Winter School.

This unit provides an introduction to basic concepts in corporate finance and their application to (1) valuation of risky assets including stocks, bonds and entire corporations, (2) pricing of equity securities, and (3) corporate financial policy decisions including dividend, capital structure and risk management policies. An emphasis is placed on the application of ideas and current practices in each of these areas.

**FINC2012****Corporate Finance II****Economics and Business**

**Credit points:** 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** 2hrs of lectures, 1 workshop and 1 tutorial per week **Prerequisites:** FINC2011 or FINC2001 **Prohibitions:** FINC2002 **Assessment:** 1 x 3hr exam, Assignments, Mid-semester test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program, UG Summer/Winter School.

This unit builds on FINC2011 Corporate Finance I, by extending basic concepts in corporate financing, investing and risk management. The first half of the unit is devoted to current theories of corporate financing and their practical application in corporate investment and capital budgeting. The second half of the unit examines securities and securities markets with an emphasis on pricing, investment characteristics and, importantly, their use by corporations to manage risk. The securities examined include: bonds and related fixed income products; futures; options; and securities denominated in foreign currencies. The goal of the unit is to broaden students' knowledge of corporate finance in preparation for further study in finance in third year.

**FINC2013****Introductory Mathematical Finance****Economics and Business**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2hrs of lectures and 1 tutorial per week; Additional workshops as required. **Prerequisites:** FINC2011 or FINC2001 **Prohibitions:** FINC2003, FINC2004 **Assumed knowledge:** HSC 3 Unit mathematics **Assessment:** 1 x 3hr exam, Assignments, Mid-semester test. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

The principle objective of this unit is to introduce students to the basic elements of mathematical finance. Students are exposed to key areas in the modern theory of finance and corporate financial policy with specific emphasis on their development and treatment from mathematical and statistical foundations. The unit provides necessary mathematical background. Topics that are introduced from a more mathematical perspective include: principles of modern financial valuation and analysis; asset pricing theory and market efficiency; theory of portfolio selection and management; and measurement and management of financial risk.

**FINC2192****Finance 2 Honours****Economics and Business**

**Credit points:** 3 **Session:** Semester 2 **Classes:** Weekly seminar  
**Prerequisites:** Distinction or higher grade in FINC2011 or FINC2001; competitive and by application **Prohibitions:** FINC2092 **Assessment:** Assessment of advanced topics covered **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc.

This unit develops the conceptual and theoretical foundations of modern finance theory. Students are asked to understand and critique existing theories and to see their connections with other disciplines and with financial industry developments.

**FINC2551****Finance Exchange****Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc.

**FINC2552****Finance Exchange****Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc.

**FINC3011****International Financial Management****Economics and Business**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2hrs of lectures and 1 tutorial per week **Prerequisites:** (FINC2012 or FINC2002) or (FINC2013 or FINC2003) or (FINC2014 or FINC2004) **Prohibitions:** FINC3001 **Assessment:** 2 x 2hr exams; Project; Assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

Markets are increasingly globalised. There are very few businesses or industries that are not required to deal with issues such as foreign currency, foreign competition and direct investment. This unit is designed to allow students to extend their understanding of basic principles in finance to an international environment. Globalisation of markets introduces risks but also opens up profitable opportunities. Topics covered include: foreign currency valuation and markets; international parity conditions; measuring and managing foreign exposure; international portfolio management; capital budgeting and foreign direct investment; international tax management and international financing strategy.

**FINC3012****Derivative Securities****Economics and Business**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2hrs of lectures and 1 tutorial per week **Prerequisites:** (FINC2012 or FINC2002) or (FINC2013 or FINC2003) or (FINC2014 or FINC2004) **Prohibitions:** FINC3002 **Assumed knowledge:** Calculus, regression, probability theory, random distributions **Assessment:** 1 x Report/sem; Exams; Assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

Options, futures and swaps are derivatives of underlying securities such as commodities, equities and bonds. These types of securities are increasingly used to manage risk exposure and as a relatively low-cost-way of taking a position in a security or portfolio. They are also being used as part of senior management compensation as a

way of attempting to align the interests of shareholders with that of management. This unit is designed to provide an introduction to this important area of finance without requiring a high level of mathematical sophistication. However, a strong quantitative base is an advantage.

### **FINC3013**

#### **Mergers and Acquisitions Economics and Business**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2hrs of lectures and 1 tutorial per week; Additional workshops as required. **Prerequisites:** (FINC2012 or FINC2002) or (FINC2013 or FINC2003) or (FINC2014 or FINC2004) **Prohibitions:** FINC3003 **Assessment:** Final exam, Tutorial work, Project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

This unit will provide: an understanding of the economic and strategic drivers of corporate restructuring activity and their use in the design and analysis of restructuring transactions. Understanding of the evaluation of outcomes from restructuring transactions, both the theory based explanations and the empirical tests of the theories. It will develop the ability to identify synergies in a restructuring transaction and use Discounted Cash Flow methods to assign a value to these benefits. A detailed understanding of the design and economic impacts of deal structures used to effect corporate restructuring transactions. A detailed awareness of the process of merger arbitrage and its contribution to outcome of restructuring transactions. An appreciation of the regulatory environment for restructuring transactions and the impact of these regulations on the process and outcomes of restructuring transactions.

### **FINC3014**

#### **Trading and Dealing in Security Markets Economics and Business**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2hrs of lectures and 1 tutorial per week **Prerequisites:** (FINC2012 or FINC2002) or (FINC2013 or FINC2003) or (FINC2014 or FINC2004) **Prohibitions:** FINC3004 **Assessment:** Mid-semester exam; Final exam; Tutorial work; Project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

This unit is concerned with the processes which turn orders into trades in securities markets, and the forces which mould and affect both order flow and order execution. The unit is an introduction to some fundamental market design and structure ideas. At the end of the unit, students should be able to understand (1) how the international markets for foreign exchange, swaps, bonds and equities are organised, (2) how trading is conducted in these markets and how these transactions are cleared, (3) how the markets are regulated, if they are supervised and what risks different counterparties face in these markets. The unit aims to equip students to independently analyse international investment and financing alternatives and to estimate expected returns and costs taking into account liquidity risk, price volatility and credit risk.

### **FINC3015**

#### **Financial Valuation: Case Study Approach Economics and Business**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2hrs of lectures per week; 1 workshop session (not every week) **Prerequisites:** (FINC2012 or FINC2002) or (FINC2013 or FINC2003) or (FINC2014 or FINC2004) **Prohibitions:** FINC3005 **Assessment:** Case study, Workshop work, Exam, Small project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

This unit applies all aspects of finance theory to the general problem of valuing companies and other financial assets. This requires a synthesis of the concepts of present value, cost of capital, security valuation, asset pricing models, optimal capital structures and some related accounting concepts. The subject aims to reach a level of practical application that allows students to understand both the

theoretical frameworks and institutional conventions of real world corporate valuations.

### **FINC3017**

#### **Investments and Portfolio Management Economics and Business**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2hrs of lectures and 1 tutorial per week **Prerequisites:** (FINC2012 or FINC2002) or (FINC2013 or FINC2003) or (FINC2014 or FINC2004) **Prohibitions:** FINC3007 **Assessment:** Mid-Semester Exam; Assignment; Final Examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

This unit is designed to provide a comprehensive analytical approach to the modern theory of investments. Topics covered include: the valuation of bonds and stocks; mean-variance analysis; Markowitz type portfolio analysis; duration and convexity analysis; term structure of interest rates; option pricing; portfolio insurance; performance evaluation; and forecasting. Basic statistics and probability concepts are reviewed at the beginning to ensure that all students have adequate understanding. Although analytical aspects of investments theory are stressed, there is also an equal amount of emphasis on the intuitive as well as practical aspects of the subject.

### **FINC3018**

#### **Bank Financial Management Economics and Business**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2hrs of lectures and 1 tutorial per week **Prerequisites:** (FINC2012 or FINC2002) or (FINC2013 or FINC2003) or (FINC2014 or FINC2004) and (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) and (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) **Prohibitions:** FINC3008 **Assessment:** Mid-Semester Exam; Assignment; Final Examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Res Ec, UG Study Abroad Program.

The central objective of this unit is to expose students to the basic principles of commercial bank management. The topics that are covered include: the theory and practice of banking from a financial management perspective; banks and the financial services industry; regulatory restrictions and financial management; performance analysis and strategic planning; asset management and liquidity; investment and loan management; liability and deposit management; capital structure and dividend decisions; and financial management implications of electronic banking, international banking, and other developments.

### **FINC3193**

#### **Finance 3 Honours (Corporate Finance) Economics and Business**

**Credit points:** 3 **Session:** Semester 1 **Classes:** A weekly workshop/seminar **Prerequisites:** Distinction or higher grade in (FINC2012 or FINC2002) or (FINC2013 or FINC2003) or (FINC2014 or FINC2004) and (FINC2192 or FINC2092) or with the permission of the Discipline of Finance. **Prohibitions:** FINC3093 **Assessment:** Seminar presentation; Project; Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc.

This unit deals with more advanced aspects of information transfers between interested parties and modelling of corporate issues such as productivity, remuneration and value.

### **FINC3194**

#### **Finance 3 Honours (Securities Markets) Economics and Business**

**Credit points:** 3 **Session:** Semester 2 **Classes:** A weekly workshop/seminar **Prerequisites:** Distinction or higher grade in (FINC2012 or FINC2002) or (FINC2014 or FINC2004) and (FINC2192 or FINC2092) or with the permission of the Discipline of Finance. **Prohibitions:** FINC3094 **Assessment:** Presentation; Assignment; Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc.



The unit considers who trades, why they trade and how trading takes place. It examines how technology and regulatory changes affect trading behaviour. The unit introduces students to market microstructure research. By studying and critiquing the academic literature, students become familiar with the research questions which have examined and research methods used. This allows students to develop the necessary skills to design and undertake their own research projects in the honours year.

#### **FINC3551**

##### **Finance Exchange Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc.

#### **FINC3552**

##### **Finance Exchange Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc.

#### **FINC3553**

##### **Finance Exchange Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc.

#### **FINC3554**

##### **Finance Exchange Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc.

#### **FINC4101**

##### **Finance Honours A Economics and Business**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** (FINC2192 or FINC2092) and ((FINC3193 or FINC3093) or (FINC3194 or FINC3094)) with the grade of Distinction or better in at least two, or with the permission of the Head of Discipline. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Requirements for the Pass degree must be completed before entry to level 4000 honours units of study.*

**Associated degrees:** B Com (Hons), B Ec (Hons).

The honours program in Finance is directed at producing extremely high quality graduates who are capable of undertaking research in finance, either via an advanced research degree at the Master's or PhD level or in the financial community in technical/research-related positions requiring both a high level of analytical skills and an ability to work independently. Graduates are highly sought by investment banking, stockbroking, funds management and management consulting firms. Actual offerings in any year depend on staff availability. With approval, the equivalent of a semester unit can be taken from other disciplines or faculties. Students are required to write a research report in the style of an academic article but with a more extensive literature review. Candidates are encouraged to undertake research of an original nature and of publishable quality. Typically the subject areas relate to securities market micro-structure, investments

and corporate finance, as these are the areas in which the Discipline has expertise and supervisory skills.

Students who have completed majors in both Finance and Accounting, Finance and Econometrics, Finance and Economics or Finance and Marketing, and who are eligible to undertake fourth year honours programs in at least one discipline area of their two majors, may be eligible to undertake joint honours programs, subject to the approval of the Honours Coordinator in both disciplines. Candidates must enrol in FINC4102, FINC4103 and FINC4104 to complete the honours year.

#### **FINC4102**

##### **Finance Honours B Economics and Business**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** FINC4101 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Ec (Hons).

See FINC4101

#### **FINC4103**

##### **Finance Honours C Economics and Business**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** FINC4102 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Ec (Hons).

See FINC4101

#### **FINC4104**

##### **Finance Honours D Economics and Business**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** FINC4103 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Ec (Hons).

See FINC4101

#### **FINC9001**

##### **Finance Extension Economics and Business**

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, B Int S.

#### **FINC9002**

##### **Finance Extension Economics and Business**

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, B Int S.

#### **FINC9003**

##### **Finance Extension Economics and Business**

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, B Int S.

#### **FINC9004**

##### **Finance Extension Economics and Business**

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, B Int S.

## FRES1001

### Research A

#### Sydney College of the Arts

**Credit points:** 2 **Teacher/Coordinator:** Oliver Smith, Foundation Coordinator, and Library staff. **Session:** Semester 1, Semester 2 **Classes:** Library sessions plus self-directed study; total of 40 hours of student effort. **Corequisites:** MSTD1111, MSTD1121, MDRW1013, THAP1201 and THAP1211 **Assessment:** Students are eligible to be assessed for this program if attendance is 90% or over and students have submitted their work folders by the due date. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B V A, Visual Arts UG Non-Degree.

The Foundation research program consists of group library sessions to develop your understanding and skills necessary for visual art research. A written project is undertaken during the semester after the basic library orientation during the first weeks of semester is complete. The independent assessment task will investigate your understanding of the web-based, on-line library catalogue, making accurate citations and your ability to conduct searches inside the Library and on-line.

## FRES1002

### Research B

#### Sydney College of the Arts

**Credit points:** 2 **Teacher/Coordinator:** Oliver Smith, Foundation Coordinator, and Library staff. **Session:** Semester 1, Semester 2 **Classes:** Library sessions, plus self-directed study; total of 40 hours of student effort. **Corequisites:** MSTD1112, MSTD1123, MDRW1014, THAP1202 and THAP1212 **Assessment:** Students are eligible to be assessed for this program if attendance is 90% or over and students have submitted their work folders by the due date. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B V A, Visual Arts UG Non-Degree.

Continuation of Research A. In this semester your experience and use of the Library is further deepened with an assessment project that looks at using the on-line databases. You will remain in groups to workshop the use of the research tools in the Library in order to complete the assessment task independently.

## FRNC1611

### Junior French Introductory 1

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Alice Caffarel **Session:** Semester 1, Summer Main, Winter Main **Classes:** 4 hours per week (1 lecture, 3 tutorials) **Prerequisites:** Complete beginners, or less than 2 years of French, or less than 65% in Beginners HSC French **Prohibitions:** FRNC1101 **Assessment:** Continuous assessments: participation and weekly exercises online and face-to-face equivalent to 900 words (20%), two grammar tests equivalent to 1350 words (30%), oral test equivalent to 1350 words (30%), written test equivalent to 900 words (20%). (Total assessment 4500 words.) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program, UG Summer/Winter School.

This unit is based both on communicative methodology and functional approach to language. Its main objective is to teach the learner how to communicate and use grammar appropriately in a range of situations, while learning about French culture. Speaking, writing, listening and reading comprehension skills, will be developed through communicative activities. In addition, online resources and grammar activities will complement face-to-face teaching. This unit provides the essential skills for negotiating in and understanding everyday situations. FRNC1612 is the standard progression.

#### Textbooks

Di Giura, M. and Beacco, J-C. (2007). *Alors? Méthode de français Niveau A1* Course booklet to be purchased from the University Copy Centre.

## FRNC1612

### Junior French Introductory 2

## Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Alice Caffarel **Session:** Semester 2 **Classes:** 3 hours per week (1 lecture, 2 tutorials) **Prerequisites:** FRNC1611 or FRNC1101 or equivalent **Prohibitions:** FRNC1102 **Assessment:** Continuous assessment: participation and weekly exercises online and face-to-face and written expression (equivalent to 2250 words, 50%), oral exam (20%), written exam (equivalent to 2250 words, 30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program, UG Summer/Winter School.

FRNC1612 Junior French 2 is the continuation of FRNC1611 Junior French 1. It aims at strengthening students' oral communication skills and at developing further their written skills (reading and writing). Having completed FRNC1612 Junior French 2, students in their second year will normally enter FRNC2611 Senior French 1.

#### Textbooks

Robbe-Grillet, A (1985). *Djinn. Un trou entre les pavés disjoints* Course booklet to be purchased from the University Copy Centre.

## FRNC1621

### Junior French Intermediate 3

#### Arts

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** Less than 80% in HSC French Continuers or more than 65% in HSC French Beginners or equivalent **Prohibitions:** FRNC1201 **Assessment:** Class participation and written exercises (20%) (800 words), 2 written grammar tests (40%) (2200 words), comprehension test (20%) (1000 words), oral test (20%). (Total assessment 4000 words equivalent.) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is designed for students who have studied some French but have not taken the Higher School Certificate examinations, or have less than 80% in French Continuers or Extension unit, or more than 65% in Beginners. It is based on a communicative approach and provides a systematic review of spoken and written French, building on students' previous experience of the language.

#### Textbooks

Capelle, G & Gidon, N. (1999) *Reflet 1*, Paris: Hachette Course booklet to be purchased from the University Copy Centre.

## FRNC1622

### Junior French Intermediate 4

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Williams **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** FRNC1621 or FRNC1201 or equivalent **Prohibitions:** FRNC1202 **Assessment:** Class participation and written exercises (20%) (800 words), 2 written grammar tests (40%) (2200 words), comprehension test (20%) (1000 words), oral test (20%). (Total assessment 4000 words equivalent.) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is the continuation of FRNC1621 Junior French 3. It continues to develop speaking, listening, writing and reading skills, while providing further insights into contemporary French culture. Having completed FRNC1622 Junior French 4, students in their second year will usually enter FRNC2611 Senior French 1.

#### Textbooks

Capelle, G & Gidon, N. (1999) *Reflets 1*, Paris: Hachette Course booklet to be purchased from the University Copy Centre.

## FRNC1631

### Junior French Advanced 5

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Caroline Lipovsky **Session:** Semester 1 **Classes:** Two 1 hour lectures and two 1 hour tutorials per week **Prerequisites:** HSC French Continuers and Extension or more than 80% in Continuers French **Prohibitions:** FRNC1301 **Assessment:** Language: Two 200 word written assignments in French (equivalent to 800 words in English), one written class test in French (equivalent to 1500 words in English), one 4-5 minute oral test in French (equivalent to 1000 words in English). Reading: One written class test in French (equivalent to 1200 words in English). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is designed for students who have completed HSC French Continuers and Extension or obtained more than 80% in Continuers. It consists of two segments (Practical Language and Reading) that together seek to develop speaking, writing, listening and reading skills, while providing an insight into contemporary French culture.

#### Textbooks

Course booklets to be purchased from the University Copy Centre.

### FRNC1632

#### Junior French Advanced 6

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Caroline Lipovsky **Session:** Semester 2 **Classes:** Two 1 hour lectures and two 1 hour tutorials per week **Prerequisites:** FRNC1631 or FRNC1301 or equivalent **Prohibitions:** FRNC1302 **Assessment:** Language: Two 200 word written assignments in French (equivalent to 800 words in English), one written class test in French (equivalent to 1000 words in English), one 3 minute oral test in French (equivalent to 700 words in English). Reading: One 1 hour test on medieval literature (equivalent to 1000 words in English), one 3 minute oral exercise on theatre in French (equivalent to 1000 words in English). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is the continuation of the first semester unit FRNC1631. Like that unit, it consists of two segments (Practical Language and Reading) that together seek to develop speaking, writing, listening and reading skills, while providing an insight into contemporary French culture.

#### Textbooks

Aucassin et Nicolette, Garnier Flammarion

La Comédie du Drame, Folio

Course booklets to be purchased from the University Copy Centre.

### FRNC1801

#### French Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Lang Stud.

For students studying overseas.

### FRNC1802

#### French Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Lang Stud.

For students studying overseas.

### FRNC2611

#### Senior French Intermediate 1

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Peter Cowley **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** FRNC1622, FRNC1612, FRNC1202, FRNC1102 or equivalent **Prohibitions:** FRNC2103 **Assessment:** Classwork 20% (equivalent to 800 words); reading and writing tests 80% (equivalent to 3200 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is based on a communicative approach and concentrates on interactive exercises and activities to consolidate speaking, listening, writing and reading skills, reinforce understanding grammar, extend vocabulary and improve confidence in communication. This unit is normally taken by specialist students in conjunction with FRNC2614 French Reading 1.

#### Textbooks

Collins-Robert French Dictionaries

Grammaire progressive du français (intermédiaire)

Course booklets to be purchased from the University Copy Centre.

### FRNC2612

#### Senior French Intermediate 2

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Peter Cowley **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** FRNC2611, FRNC2103 or equivalent **Prohibitions:** FRNC2104 **Assessment:** Classwork 15% (equivalent to 600 words), written tests 65% (equivalent to 2600 words), oral tests 20% (equivalent to 800 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is based on a communicative approach and concentrates on interactive exercises and activities to develop skill in complex sentence formation and communicative functions, extend vocabulary, learn about aspects of French culture and acquire skills necessary for oral class presentations and essay writing in French. This unit is normally taken by specialist students in conjunction with FRNC2615 French Reading 2. Having completed FRNC2612 Senior French 2, students in their third year will enter FRNC2621 Senior French 3.

#### Textbooks

Collins-Robert French Dictionaries

Grammaire progressive du français (intermédiaire)

Course booklets to be purchased from the University Copy Centre.

### FRNC2614

#### French Reading 1: Text and Society

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Françoise Grauby **Session:** Semester 1 **Classes:** 1 hour lecture and 1 hour tutorial per week **Prerequisites:** FRNC1612, FRNC1622, FRNC1102, FRNC1202 or equivalent **Prohibitions:** FRNC2621, FRNC3631, FRNC2501, FRNC3621, FRNC3622 **Assessment:** Three written assignments, equivalent to 6000 words in English: class test (30%), commentary on text (30%), essay (30%), and participation and preparation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is required for students intending to major or take options in their third year*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit provides a socio-historical and cultural framework for students' studies within the department and develops reading, analytical and critical skills through the close study of a variety of contemporary, authentic texts. The segment presents an overview of the social transformations France has undergone in the twentieth century and the political challenges it confronts as it attempts to redefine its role in the world and in Europe.

#### Textbooks

A dossier of texts to be purchased from the University Copy Centre.

### FRNC2615

#### Literature and Theatre

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Williams **Session:** Semester 2 **Classes:** 1 hour lecture and 1 hour tutorial per week **Prerequisites:** FRNC2614, FRNC2501 or equivalent **Prohibitions:** FRNC2502, FRNC2622, FRNC3631, FRNC3621, FRNC3622 **Assessment:** Class test (1000 words), commentary (1000 words), oral presentation (1500 words), essay (2500 words), (total assessment 6000 words equivalent). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is required for students intending to major or take options in their third year*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit continues the study of French national and cultural identity through the centuries, the development of reading, analytical and critical skills, and the practice of oral and written French. It places greater emphasis on literary texts, including study of narrative fiction and a play. It is designed for students in the second year of the beginner or intermediate streams, to be taken by specialist students in conjunction with FRNC2612.

#### Textbooks

Aucassin et Nicolette, Garnier-Flammarion

Jean Tardieu, La Comédie du drame, Folio

Course booklet to be purchased from the University Copy Centre.

## FRNC2621

### Senior French Intermediate 3

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Caroline Lipovsky **Session:** Semester 1 **Classes:** 1 hour lecture and 2 hour tutorial per week **Prerequisites:** FRNC2612, FRNC2104 or equivalent **Prohibitions:** FRNC3105 **Assessment:** Two written assignments in French (equivalent to 2000 words in English), one written class test in French (equivalent to 1500 words in English), one 3-4 minute oral test in French (equivalent to 1000 words in English). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit follows on from FRNC2612 Senior French 2. It seeks to develop speaking, writing, listening and reading skills while providing an insight into contemporary French culture. The unit uses communicative and cognitive approaches to language learning. Students' active participation through teamwork, role playing and other interactive techniques is an essential aspect of all classes. This unit is normally taken by specialist students in conjunction with one of the options.

#### Textbooks

Course booklets to be purchased from University Copy Centre.

## FRNC2622

### Senior French Intermediate 4

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Caroline Lipovsky **Session:** Semester 2 **Classes:** 1 hour lecture and 2 hour tutorial per week **Prerequisites:** FRNC2621, FRNC3105 or equivalent **Prohibitions:** FRNC3106 **Assessment:** Two written assignments in French (equivalent to 2000 words in English), one written class test in French (equivalent to 1500 words in English), two oral tests in French (equivalent to 1000 words in English). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is a continuation of FRNC2621. It provides further insights into contemporary French culture and will lead to simple discussions on French cultural issues and current affairs.

#### Textbooks

Course booklets to be purchased from University Copy Centre.

## FRNC2651

### Introduction à la Linguistique

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Alice Caffarel **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** FRNC1302 or FRNC1632 or FRNC2502 or FRNC2615 or equivalent **Prohibitions:** FRNC2602 **Assessment:** Classwork, two small assignments (500 words each), final text analysis and interpretation (4000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is a general introduction to linguistics and in particular functional linguistics. It explores language as a system of choices for making meaning in various contexts and aims at providing students with an understanding of what we do when we use language, and grammar, in particular.

#### Textbooks

Caffarel, A. 2008. A Systemic Functional Grammar of French: From Grammar to Discourse. London: Continuum  
Course booklet to be purchased from the University Copy Centre.

## FRNC2666

### Research Methods in French Studies

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michelle Royer **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** Credit in FRNC1632 or FRNC2615 or FRNC1302 or FRNC2502 **Assessment:** 10-15 minute class presentation in French (equivalent to 3000 words in English); research methodology project in French (equivalent to 3000 words in English). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is designed as an 'Advanced' unit for students enrolled in the BA (Advanced) degree program. This unit is a prerequisite for admission to honours but may also be taken by students with a credit average as an additional unit. It introduces students to research methodologies and practices in various aspects of French Studies and provides them more generally with the basic tools for carrying out research in the humanities and social sciences.

## FRNC2681

### French Narrative Cinema

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michelle Royer **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** FRNC1632, FRNC1302, FRNC2615 or FRNC2502 **Prohibitions:** FRNC2802 **Assessment:** All assessment is in French. Oral presentation (2000 words equivalent), classwork (1000 words equivalent), written assignments (3000 words equivalent). (Total assessment equivalent to 6000 words.) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit will explore the ways in which French cinema and society have interacted since WWII. It will examine how French society has been represented in fiction films and how major socio-political events have shaped French cinema. We will explore some basic concepts in French film theory and analytical methods derived from them. Film screenings are an integral part of the unit, and students must arrange their timetable so that they can watch each film at least once.

#### Textbooks

A dossier of texts to be purchased from the University Copy Centre.

## FRNC2682

### The Legend of the Holy Grail

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Williams **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** FRNC1302 or FRNC2502 or FRNC1632 or FRNC2615 or equivalent **Prohibitions:** FRNC2901 **Assessment:** 20 minute class presentation (equivalent to 2000 words), two essays (1000 words and 1500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

The Holy Grail is one of the most enduring symbols to have emerged from medieval French tradition. This unit will trace the development of the legend from its earliest expression in French literature through to the present day, via various media: the written text (medieval and modern) and the visual arts (illuminated manuscripts and cinema).

#### Textbooks

Chrétien de Troyes: Le Conte du Graal (Livre de Poche Lettres Gothiques)  
La Queste del Saint Graal (Classiques Français du moyen age)  
Michel Tournier: Gaspard, Melchior et Balthazar (Folio)  
Eric Rohmer: Perceval le Gallois (film)

## FRNC2803

### French Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

For students studying overseas.

## FRNC2804

### French Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

For students studying overseas.

### FRNC2805

#### French Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

For students studying overseas.

### FRNC2806

#### French Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

For students studying overseas.

### FRNC2807

#### French Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

For students studying overseas.

### FRNC2808

#### French Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

For students studying overseas.

### FRNC3621

#### Senior French Advanced 5 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Bronwyn Winter **Session:** Semester 1 **Classes:** 1 hour lecture and 2 hour tutorial per week **Prerequisites:** FRNC1632, FRNC1302 or equivalent **Prohibitions:** FRNC2303 **Assessment:** Written assignment in French (equivalent to 1500 words in English, 30%); one written class test in French (equivalent to 1000 words in English, 25%); oral class test in French (equivalent to 1500 words in English, 25%), oral presentation (equivalent to 500 words, 10%), preparation and participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit will provide a review of formal grammar, concentrating on complex sentences, paragraph and text structure, as well as placing emphasis on oral and written receptive and active communicative skills through functionally-oriented language activities. A range of authentic and semi-authentic material will be used, drawn from written and audiovisual media and occasional literary sources, covering topics of contemporary interest and providing vocabulary development. This unit of study is normally taken by specialist students in combination with one of the options.

#### Textbooks

J. Ollivier, Grammaire Française, 4th edition  
Duplicated material to be purchased from the University Copy Centre.

### FRNC3622

#### Senior French Advanced 6 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Bronwyn Winter **Session:** Semester 2 **Classes:** 1 hour lecture and 2 hour tutorial per week **Prerequisites:** FRNC3621, FRNC2303 or equivalent **Prohibitions:** FRNC2304 **Assessment:** Written assignment in French (equivalent to 1500 words in English, 30%); two written class tests in French (equivalent to 1500 words in English, 35%); oral class test in French (equivalent to 1500 words in English, 25%); preparation and participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is a continuation of FRNC3621. It will normally be taken by specialist students in conjunction with one of the specialist options. Having completed FRNC3622 Senior French 6, students in their third year will enter FRNC3631 Senior French 7.

#### Textbooks

J. Ollivier, Grammaire Française, 4th edition  
Duplicated material to be purchased from the University Copy Centre.

### FRNC3631

#### Senior French Advanced 7 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michelle Royer **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** FRNC3622, FRNC2304 or equivalent **Prohibitions:** FRNC3305 **Assessment:** Written assignments (equivalent to 2000 words), oral presentations in French (equivalent to 2000 words), classwork (equivalent to 500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

In this unit students will develop further their oral and written skills. Emphasis is placed on improving students' fluency, spontaneity and accuracy in oral French through debates and discussion of contemporary issues. Reading and writing skills are developed through specific exercises, such as text summaries and syntheses, as well as grammar exercises.

#### Textbooks

Course booklet to be purchased from University Copy Centre.

### FRNC3653

#### French Translation Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Peter Cowley **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** Credit in FRNC1632, FRNC1302, FRNC2615, FRNC2502 or equivalent **Prohibitions:** FRNC3810 **Assessment:** Assignments 40% (3000 words), tests 50% (2400 words), participation 10% (600 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

An investigation into the theory and practice of translation, from French into English. Students will be required to undertake weekly exercises in translation and to prepare a translation with critical and analytical commentary (equivalent to 3000 word essay overall).

### FRNC3655

#### French Sociolinguistics Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Caroline Lipovsky **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** FRNC1302 or FRNC1632 (Junior French 6) or FRNC2502 or FRNC2615 (French reading 2) or equivalent **Assessment:** 10-12 minute class presentation in French language (equivalent to 3000 words in English), research based essay in French language (equivalent to 3000 words in English). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

The focus of this course is French language. It will familiarise students with the history, status and profile of the main varieties of French outside France and current issues in language policy in the French speaking world, while introducing them to key concepts such as

language use, linguistic variation (according to gender, age, social origin, etc.), or issues of bilingualism and identity. Through critical reading and practice, students will learn how to design, conduct and report research projects regarding French language.

### FRNC3672

#### Francophone Studies 2 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Bronwyn Winter **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** FRNC1302 or FRNC1632 or FRNC2502 or FRNC2615 or equivalent **Assessment:** Oral tutorial exercise in French (equivalent to 1500 words in English 30%), essay preparation exercise (equivalent to 1000 words in English, 20%), essay equivalent to 3500 words in English (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit will present a classic Caribbean "rewriting": Maryse Condé's Guadeloupean version of Emily Brontë's fiction classic *Wuthering Heights*. Through the study of this work by one of the French Antilles' best known authors, students will gain some insight into the history of contemporary issues faced by the Antilles, as well as into some of the premises of so-called "postcolonial theory". Questions of literary style within a Francophone colonial or postcolonial context, as well as the particular situation of women and the construction of créolisation, métissage and africanité within these contexts, will also be explored.

#### Textbooks

M. Condé, *La migration des cœurs*

Duplicated material to be purchased from the University Copy Centre.

### FRNC3801

#### French In-Country Study Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

For students studying overseas.

### FRNC4011

#### French Honours A Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Michelle Royer **Session:** Semester 1, Semester 2 **Classes:** 2 - 4 hours per week **Prerequisites:** Major in Advanced French or in French with credit average in 48 senior units, including the following units: FRNC2666 and FRNC3631 or equivalent **Assessment:** Classwork and assignments (50%), 12000-15000 word thesis and viva (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

The Fourth Year honours program consists of the following segments:

- Thesis in French (1200-1500 words). A supervisor will be appointed.
- Three semester length seminars:

- La représentation des minorités dans le cinéma français

Lecturer: Dr Michelle Royer. Classes: Semester 1.

Since the 1990s there has been a renewed interest in the representation of marginalised social groups in French cinema. This seminar will examine this new tendency of French cinema and will explore through detailed film analyses the way filmmakers are engaging with the problems of social exclusion and marginalisation in their films. Students will be introduced to French film theories.

- Mots, images et traces dans la littérature française

Lecturer: Dr Françoise Grauby Classes: Semester 2.

This unit will explore the relationships and interplays between writers and visual artists in French contemporary fiction and art. It will examine the varieties of writing which engage with the production of art. Attention will be given to the work of poet/painter Henri Michaux, the

art criticism of Hervé Guibert, the representation of the painter in fiction, and the documentation and record of everyday life as presented by visual/performance artists.

#### Textbooks:

Henri Michaux, *Face aux verrous*

Hervé Guibert, *L'Homme au chapeau rouge* Pierrette Fleutiaux, *Histoire du tableau*

- Les avatars du nationalisme en France

Lecturer: Dr Elizabeth Rechniewski. Classes: Semester 2.

This unit will adopt a historical, sociological and discursive approach to the study of the development of the nation and national sentiment in France from the Middle Ages to the present. It will pay particular attention to Early Modern France and the Enlightenment, using original research and material assembled in the course of the department's research project: 'Communications and National Identity in Early Modern France'. It will also place contemporary debates over nationhood in historical perspective and include study of changing conceptions of citizenship. A variety of sources will be studied including literary and political texts and there will be limited reference to the use of discourse analysis in analysing source materials.

### FRNC4012

#### French Honours B Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Michelle Royer **Session:** Semester 1, Semester 2 **Corequisites:** FRNC4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to FRNC4011

### FRNC4013

#### French Honours C Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Michelle Royer **Session:** Semester 1, Semester 2 **Corequisites:** FRNC4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to FRNC4011

### FRNC4014

#### French Honours D Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Michelle Royer **Session:** Semester 1, Semester 2 **Corequisites:** FRNC4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to FRNC4011

# University undergraduate units of study – G

## GBST2601

### Global Studies, Society, Culture, Nation

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Erin Taylor **Session:** Semester 1  
**Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** GBST1001 and ANTH1002 **Assessment:** one 2000-2500 word essay, one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Adv)(Hons), B G S, UG Study Abroad Program.

Trans-national economy and global media shape the lives of every citizen today. Everyone is also a member of a unique society and nation with a specific culture and history. This unit addresses the range of ways in which citizens of nation states are shaped by and also engage today's complex global world. This foundational unit will build skills for interpreting the important cultural contexts that inform trans-national politics. Lectures will draw examples from Europe, South Asia and Africa.

## GBST2602

### Human Rights & the Global Public Sphere

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Danielle Celermajor **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** GBST1001 and ANTH1002 **Assessment:** one class debate, one take-home exam and one 2500 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Adv)(Hons), B G S, UG Study Abroad Program.

How do international and national/local norms, institutions, and movements interact with and shape each other, or fail to do so? This unit examines the activities of international and regional formal and informal political, non-governmental and civil society organisations, with a particular interest in the dynamics of power and explaining how norms are produced and transformed in global interactions. It considers the constraints and liberational potential of human rights and the relationship between human rights and culture, religion, colonialism and imperialism.

## GBST2604

### Global Communication

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Richard Stanton **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** GBST1001, ANTH1002 **Assessment:** Media analysis 20%, essay (3000 words) 80% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B G S, UG Study Abroad Program.

This unit will examine the role of communication in the global, what it means to be global; what it means to be local and to develop an understanding of the role of individual and collective stakeholders such as the international news media, supranational organisations such as the United Nations, the World Trade Organisation and the World Bank, and non government organisations such as Oxfam, Greenpeace and the International Red Cross. It will examine the communication strategies of these organisations and investigate the role of the international media in shaping opinion in both developed and developing countries.

#### Textbooks

Stanton R 2007 All News Is Local; the failure of the media to reflect world events in a globalized age, McFarland NJ.

## GBST2801

### Global Studies Exchange 1

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B G S.

## GBST2802

### Global Studies Exchange 2

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B G S.

## GBST2803

### Global Studies Exchange 3

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B G S.

## GBST2804

### Global Studies Exchange 4

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B G S.

## GBST2805

### Global Studies Exchange 5

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B G S.

## GBST2806

### Global Studies Exchange 6

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B G S.

## GBST2807

### Global Studies Exchange 7

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B G S.

## GBST2808

### Global Studies Exchange 8

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*





**Associated degrees:** B G S.

## GCST2601

### Introducing Media and Popular Culture

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Guy Redden **Session:** Semester 1, Winter Main **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points **Prohibitions:** WMST2001 **Assessment:** 1500 word textual analysis; 2500 word essay; Tutorial participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

This unit of study will introduce students to the discipline of Cultural Studies through the analysis of media and popular culture. The unit of study will draw on a range of interdisciplinary theories in order to explore how contemporary media and popular culture is analysed within Cultural Studies, including focus on magazines, advertising, cinema and television genres, popular music and video, and the internet.

## GCST2602

### Suffragettes to Cyborgs

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Fiona Probyn-Rapsey **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 Junior credit points **Prohibitions:** WMST2002 **Assessment:** one 2000 word essay and one 2500 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit of study will introduce students to fundamental concepts within feminist social, political and cultural theory. We explore debates about gender and difference; between women and men and between women in relation to class, race and ethnicity. Debates around power, discourse and the body are introduced with a particular focus on postmodern readings of bodies, reproductive technologies and identity. A major focus of the unit is to acquaint students with postmodern understandings of gender.

## GCST2603

### Animal/Human Cultures

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Fiona Probyn-Rapsey **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 Junior credit points **Assessment:** one 2000 word research essay, one 2000 word research journal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit introduces students to postmodern understandings of animal/human connections through film, literature, popular culture, philosophy, cultural politics and gender studies. In the first block we consider western perspectives on the relationships between animals and humans. In the second block we consider animal philosophy: from Plato onwards animal-tropes inhabit and structure knowledge. In the third block we consider theories of animal/human relationships in regards to rights, responsibilities and technology.

## GCST2604

### Sex, Violence and Transgression

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Natalya Lusty **Session:** Semester 2, Summer Late **Classes:** one 2 hour lecture and one 1 hour tutorial **Prerequisites:** 18 Junior credit points **Prohibitions:** WMST2004 **Assessment:** one 2000 word case study, one 2000 word take-home exam, online participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

Violence is one of the most prevalent themes in popular culture and public discourse today. It shapes our lives in all sorts of ways, both real and imagined. Incorporating concepts and theoretical tools from gender and cultural studies, this course will examine the construction and representation of violence in relation to sexuality, transgression, difference and power.

## GCST2606

### Genres in Cultural Context

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Jane Park **Session:** Semester 1 **Classes:** one 1 hour lecture, one 1 hour tutorial, and one 1 hour online or media work per week **Prerequisites:** 18 Junior credit points **Assessment:** participation (in class and online), group presentation with 500 word precis, 4 journals (totalling 1200 words), one 1000 word paper, one 1500 word paper or creative project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit introduces students to some theories of genre and to textual examples of specified genres. Several genres will be studied; possible examples may include romance, soap opera, sci-fi, horror, the musical, music video, and reality TV. Examples will be drawn from different media and from both popular and "high" culture. Key themes will include the place of gender in genre and the role of textual conventions in structuring meaning.

## GCST2607

### Bodies, Sexualities, Identities

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Kane Race **Session:** Semester 1, Summer Late **Classes:** one 1.5 hour lecture and one 1.5 hour tutorial per week **Prerequisites:** 18 junior credit points **Prohibitions:** WMST2007 **Assessment:** Tutorial attendance and exercises, one 1500 word essay, one 2500 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

In this unit of study we will examine the ways in which feminist and other cultural theories have used bodies and sexualities in order to theorise difference and identity. The body and sexuality have been shown to be a major site for the operation of power in our society. We will look at how bodies and sexualities have given rise to critical understandings of identity. The unit of study will be devoted to working through some of the major theories of sexuality and embodiment, and the analysis of cultural practices.

## GCST2608

### Gender, Communities and Difference

#### Arts

**Credit points:** 6 **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 Junior credit points **Prohibitions:** WMST2008 **Assessment:** one 500 word tutorial assignment, one 1500 word essay and one 2000 word take-home exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit examines difference and diversity within community. It looks at the operation of power and at how power produces and regulates communities and identities. It questions the assumption that community is based on the unity and similarity of citizens and examines alternatives such as difference and sociality. Specific debates about the regulation of reproduction, the production of sexuality, and the provision of welfare are examined. The course is divided into 2 sections: Gender, Community and Difference; and Foucault, Power and Governance.

## GCST2609

### Cultures of Masculinities



**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Moller **Session:** Semester 1, Winter Main **Classes:** one 1 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 Junior credit points **Prohibitions:** WMST2009 **Assessment:** one 1500 word research proposal, one 1000 word review paper, and one 3500 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

What do men want? From a traditional focus on femininity in gender studies, it is increasingly clear that masculinity has undergone tremendous changes in the last several decades. From a perspective of gender and cultural studies, this unit examines the economic, social and cultural contexts in which masculinity is lived. We will consider different case studies focused on the changing representation of men in contemporary culture. These will include aspects of style and consumption, roles within workplaces, and in domestic practices.

**GCST2610****Intimacy, Love and Friendship****Arts**

**Credit points:** 6 **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 Junior credit points **Prohibitions:** WMST2010 **Assessment:** one 500 word tutorial paper, one 1500 word essay and one 2000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit examines the representation and practices of intimate relations focusing especially on the intersection between intimacy and the constructions of gender. Divided into three sections, the unit will examine theories of love and friendship, contemporary cultural representations of love, desire and friendship (especially in film and literature), and the ethics and politics of erotics. It will question the division between erotic love and Platonic love, examine the new technologies of erotics, and discuss the implications for gender and sexuality.

**GCST2612****Youth Cultures: Images & Ideas of Youth****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Catherine Driscoll **Session:** Semester 1, Summer Early **Classes:** 1.5 hr lecture, 1 hr tutorial and 30 minutes of online learning per week **Prerequisites:** 18 junior credit points **Prohibitions:** WMST2012 **Assessment:** one online journal (equivalent 2000 words), one 500 word exercise, choice of 2000 word essay or take-home exam, participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

This unit uses changing ideas about youth and practices of youth culture as a focus for an introduction to contemporary cultural theory. It aims to introduce students to some of the current parameters for studying cultural forms, practices and theories by examining current and past forms of youth culture, representations of youth and youth culture, and cultural studies of youth. Points of focus include media images of youth, popular culture marketed to youth, and youth subcultures.

**GCST2804****Gender Studies Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

**GCST2805****Gender Studies Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

**GCST2806****Gender Studies Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

**GCST2810****Gender Studies Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

**GCST2811****Gender Studies Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

**GCST2812****Cultural Studies Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

**GCST2813****Cultural Studies Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

**GCST2814****Cultural Studies Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

**GCST2815****Cultural Studies Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

## GCST2816

### Cultural Studies Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

## GCST2817

### Cultural Studies Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

## GCST2818

### Cultural Studies Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

## GCST2819

### Cultural Studies Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

## GCST3601

### Gender, Race and Australian Identities Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Jane Park **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 Junior credit points, including 6 credit points in GCST **Prohibitions:** WMST3001 **Assessment:** one 2500 word research journal and one 2500 word research essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit explores the cultural discourses around race, gender, and multiculturalism in Australia and the US that have emerged from their colonial and immigration histories. We will consider how these discourses structure dominant representations of ethnic minorities in these countries, and how these minorities have resisted political and social marginalisation. We will focus on particular case studies, including the White Australia policy, the stolen generations, the Japanese internment, and various US cultural nationalist movements.

## GCST3603

### Consumer Cultures Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Kane Race **Session:** Semester 2 **Classes:** one 1.5 hour lecture and one 1.5 hour tutorial per week **Prerequisites:** 18 Junior credit points, including 6 credit points in GCST **Prohibitions:** WMST3003 **Assessment:** tutorial attendance and exercises, one 1500 word essay, one 2500 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

From the theoretical basis of cultural studies, this unit examines the ways in which identities are increasingly formed through consumption. It looks both at critiques of consumer societies and at more optimistic theories about the different forms of life that are promoted by consumer culture, including the forms of identity and belonging they engender. We will consider elements of both material culture (e.g. possessions) and media culture.

## GCST3604

### Cultural Theory Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Catherine Driscoll **Session:** Semester 2 **Classes:** one 1 hour lecture, one 1.5 hour tutorial and 30 minutes of online learning per week **Prerequisites:** 18 junior credit points including at least 6 credit points GCST **Assessment:** one online journal (equivalent 1500 words), three 500 word responses to readings, 1500 word take-home exam, participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Cultural Studies was widely discussed as one of the "New Humanities" in the 1990s, but a long history of debates about and theories of culture precede the discipline, and the processes of deciding what are the key texts and concepts of Cultural Studies is ongoing. This unit overviews the most frequently referenced critical and theoretical texts of the Cultural Studies "canon". Students will also consider in detail the place of Cultural Studies in the humanities and debates over its institutionalisation.

## GCST4101

### Arguing the Point Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1 **Classes:** one 2 hour seminar per week **Prerequisites:** Credit average in 48 senior credit points of Gender Studies, including GCST2602 (or WMST2002) OR credit average in 48 senior credit points of Cultural Studies, including GCST2601 (or WMST2001) **Prohibitions:** WMST4011 **Assessment:** 4000-6000 words assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: The Honours in Gender Studies and Honours in Cultural Studies programs are structured in the same way. For each, a student must enrol in GCST4101 Arguing the Point and GCST4102 Research Skills. Every student then takes four Honours Thesis units and two Honours Seminar units, in Gender Studies or Cultural Studies respectively. It is also possible to do combined Honours by enrolling in one Seminar and two Thesis units from each discipline. All Honours students are also expected to attend the Departmental research seminar series.*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

This unit aims to introduce students to a range of research practices and methods, writing styles and forms of argumentation. Through the study of different examples of Gender and Cultural Studies research, we will seek to encourage students to develop their own research practices and writing skills. Students who are writing their thesis will be encouraged to experiment with different ways of arguing and writing their research. Students who are just starting will have the opportunity to develop their ideas.

## GCST4102

### Research Skills Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1 **Corequisites:** GCST4101 **Assessment:** Satisfactory completion **Practical field work:** Workshop lengths at times vary across the semester. A program is provided at the beginning of semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: See GCST4101*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

This unit consists of a series of workshops in research skills for Honours students, on topics such as research with databases, interviews, ethics clearance, referencing, Endnote, written expression, and other relevant topics. It also incorporates a support network for students enrolled in the Honours programs.

**GCST4103****Gender Studies Honours Seminar A**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1, Semester 2 **Classes:** one 2 hour seminar per week **Corequisites:** GCST4101 **Assessment:** 4000-6000 words overall **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: See GCST4101*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

A seminar selected from Honours level units offered in Gender Studies. The list of available units varies from semester to semester. Please contact the Department for details of currently available units.

**GCST4104****Gender Studies Honours Seminar B**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1, Semester 2 **Classes:** one 2 hour seminar per week **Corequisites:** GCST4101 **Assessment:** 4000-6000 words overall **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: See GCST4101*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

A seminar selected from Honours level units offered in Gender Studies. The list of available units varies from semester to semester. Please contact the Department for details of currently available units.

**GCST4105****Gender Studies Honours Thesis A**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1, Semester 2 **Corequisites:** GCST4101 **Assessment:** 15000 word thesis **Practical field work:** Consultations with a supervisor appointed by the Department, as determined between the student and the supervisor **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: See GCST4101*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Students will write a thesis on an area of Gender Studies of their choosing. To be submitted towards the end of the Honours program.

**GCST4106****Gender Studies Honours Thesis B**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1, Semester 2 **Corequisites:** GCST4101 **Assessment:** See GCST4105 **Practical field work:** Consultations with a supervisor appointed by the Department, as determined between the student and the supervisor **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: See GCST4101*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

See GCST4105

**GCST4107****Gender Studies Honours Thesis C**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1, Semester 2 **Corequisites:** GCST4101 **Assessment:** See GCST4105 **Practical field work:** Consultations with a supervisor appointed by the Department, as determined between the student and the supervisor **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: See GCST4101*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

See GCST4105

**GCST4108****Gender Studies Honours Thesis D**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1, Semester 2 **Corequisites:** GCST4101 **Assessment:** See GCST4105 **Practical field work:** Consultations with a supervisor appointed by the Department, as determined between the student and the supervisor **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: See GCST4101*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

See GCST4105

**GCST4111****Cultural Studies Honours Seminar A**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1, Semester 2 **Classes:** one 2 hour seminar per week **Corequisites:** GCST4101 **Assessment:** 4000-6000 words overall **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: See GCST4101*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

A seminar selected from Honours level units offered in Cultural Studies. The list of available units varies from semester to semester. Please contact the Department for details of currently available units.

**GCST4112****Cultural Studies Honours Seminar B**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1, Semester 2 **Classes:** one 2 hour seminar per week **Corequisites:** GCST4101 **Assessment:** 4000-6000 words overall **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: See GCST4101*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

A seminar selected from Honours level units offered in Cultural Studies. The list of available units varies from semester to semester. Please contact the Department for details of currently available units.

**GCST4113****Cultural Studies Honours Thesis A**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1, Semester 2 **Classes:** Consultations with a supervisor appointed by the Department, as determined between the student and the supervisor **Corequisites:** GCST4101 **Assessment:** 15000 word thesis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: See GCST4101*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Students will write a thesis on an area of Cultural Studies of their choosing. To be submitted towards the end of the Honours program.

**GCST4114****Cultural Studies Honours Thesis B**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1, Semester 2 **Classes:** Consultations with a supervisor appointed by the Department, as determined between the student and the supervisor **Corequisites:** GCST4101 **Assessment:** See GCST4113 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: See GCST4101*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

See GCST4113

**GCST4115****Cultural Studies Honours Thesis C**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1, Semester 2 **Classes:** Consultations with a supervisor appointed by the Department, as determined between the student and the supervisor **Corequisites:** GCST4101 **Assessment:** See GCST4113 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: See GCST4101*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

See GCST4113

**GCST4116****Cultural Studies Honours Thesis D**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1, Semester 2 **Classes:** Consultations with a supervisor appointed by the

Department, as determined between the student and the supervisor  
**Corequisites:** GCST4101 **Assessment:** See GCST4113 **Campus:**  
 Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: See GCST4101*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

See GCST4113

### **GDMP1011** **Basic and Clinical Sciences 1** **Medicine**

**Credit points:** 12 **Session:** Semester 1 **Classes:** On a weekly basis, 3 problem-based learning sessions (each 1.5 hours); up to six lectures related to the weekly problem issues relevant to all themes but with an emphasis on basic sciences; two Basic and Clinical Sciences sessions (generally 1.5 hours); **Assessment:** Written assessments in Basic and Clinical Science are formative and summative. However participation in the formative assessments is compulsory. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Upon completion of this module, students will be able to apply an understanding of normal and abnormal human structure, function and behaviour to the diagnosis, management and prevention of health problems. They will also be able to use the best available evidence on outcomes to prevent or cure disease, relieve symptoms or minimise disability and analyse clinical data and published work to determine their validity and generality. Students will participate in the generation, interpretation, application and dissemination of significant advances in medical knowledge; and recognise the limits of scientific knowledge and understanding, and the continuing nature of all scientific.

### **GDMP1012** **Patient and Doctor 1** **Medicine**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Similar to Basic and Clinical Science 1 **Assessment:** The Objective Structured Clinical Examination (OSCE) is formative, however participation in this formative assessment is compulsory **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Upon completion of this module, students will be able to demonstrate understanding of the therapeutic nature of the patient-doctor relationship and the impact on that relationship of the individual characteristics of both patient and doctor. They will have the ability to listen and to identify issues of concern to patients, families and carers and to respond to those concerns, using whatever means are necessary for effective communication. They will also have the ability to elicit and interpret clinical symptoms and signs by interviewing and examining patients systematically and with sensitivity, and to use this information to guide further investigations. Students will have the ability to perform important clinical procedures, particularly those vital in life threatening situations; and ethical behaviour in meeting the needs of patients and families; concern for confidentiality and respect for individual autonomy, enabling patients and their families to make informed decisions in relation to their medical care.

### **GDMP1013** **Population Medicine 1** **Medicine**

**Credit points:** 3 **Session:** Semester 1 **Classes:** Similar to Basic and Clinical Science 1 **Assessment:** CDT material based on the CDT objectives is included in the required formative and summative assessments in Stage 1. Students are also required to work in groups to research and produce a poster on a public health issue. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Upon completion of this module, students will be able to demonstrate understanding of the factors which influence the health of the population and the respective roles of the promotion of health, the prevention of illness and the treatment of disease. They will also understand of the legal, social, economic, historical and political context of medical practice where relevant to the provision of high quality medical care and to medical research. Furthermore, the

students will have the ability to identify and analyse health issues of concern to the community and to contribute constructively and rationally to the debate on these issues; and a rational approach to resolving the tension between the medical practitioner's responsibility for individual patients and his or her responsibility for the health care needs of the whole community.

### **GDMP1014** **Personal and Professional Development 1** **Medicine**

**Credit points:** 3 **Session:** Semester 1 **Classes:** Similar to Basic and Clinical Science 1 **Assessment:** There will be a requirement to attend an intensive two-day PPD course. Failure to meet this requirement will halt progression. In addition, a portfolio of reflective material will be produced and examined in a structured interview. Satisfactory completion of this task is also required for continuation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Upon completion of this module, students will be able to demonstrate commitment to compassionate, ethical professional behaviour and the ability to work cooperatively as a member of a team accepting and providing leadership as appropriate. They will have the recognition of the inevitability of decision-making in circumstances of uncertainty and the capacity to make rational and sensitive decisions based on the best available evidence. Students will have the ability to recognise his or her personal physical and emotional needs and responses to stress, and openness to assistance in time of need and ongoing commitment to the advancement of learning within a community of medical scholars; and skills in the recording, organisation and management of information including the use of appropriate information technology.

### **GDMP1021** **Basic and Clinical Sciences 2** **Medicine**

**Credit points:** 12 **Session:** Semester 2 **Classes:** Similar to Basic and Clinical Sciences 1 **Assessment:** Similar to Basic and Clinical Sciences 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Similar to Basic and Clinical Sciences 1

### **GDMP1022** **Patient and Doctor 2** **Medicine**

**Credit points:** 6 **Session:** Semester 2 **Classes:** Similar to Patient and Doctor 1 **Assessment:** Similar to Patient and Doctor 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Similar to Patient and Doctor 1

### **GDMP1023** **Population Medicine 2** **Medicine**

**Credit points:** 3 **Session:** Semester 2 **Classes:** Similar to Community and Doctor 1 **Assessment:** Similar to Community and Doctor 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Similar to Community and Doctor 1

### **GDMP1024** **Personal and Professional Development 2** **Medicine**

**Credit points:** 3 **Session:** Semester 2 **Classes:** Similar to Personal and Professional Development 1 **Assessment:** Similar to Personal and Professional Development 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Similar to Personal and Professional Development 1

**GDMP2011****Basic and Clinical Sciences 3  
Medicine**

**Credit points:** 12 **Session:** Semester 1 **Classes:** Similar to Basic and Clinical Sciences 1 **Assessment:** Similar to Basic and Clinical Sciences 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Similar to Basic and Clinical Sciences 1

**GDMP2012****Patient and Doctor 3  
Medicine**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Similar to Patient and Doctor 1 **Assessment:** Similar to Patient and Doctor 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Similar to Patient and Doctor 1

**GDMP2013****Population Medicine 3  
Medicine**

**Credit points:** 3 **Session:** Semester 1 **Classes:** Similar to Community and Doctor 1 **Assessment:** Similar to Community and Doctor 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Similar to Community and Doctor 1

**GDMP2014****Personal and Professional Development 3  
Medicine**

**Credit points:** 3 **Session:** Semester 1 **Classes:** Similar to Personal and Professional Development 1 **Assessment:** Similar to Personal and Professional Development 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Similar to Personal and Professional Development 1

**GDMP2021****Basic and Clinical Sciences 4  
Medicine**

**Credit points:** 10 **Session:** Semester 2 **Classes:** Similar to Basic and Clinical Sciences 1 **Assessment:** Satisfactory performance in the Summative written papers as determined by the Basic and Clinical Sciences Committee. Participation in Required Formative Assessments is compulsory. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Similar to Basic and Clinical Sciences 1

**GDMP2022****Patient and Doctor 4  
Medicine**

**Credit points:** 6 **Session:** Semester 2 **Classes:** Similar to Patient and Doctor 1 **Assessment:** Satisfactory performance in the Summative Objective Structured Clinical Examination (OSCE) as determined by the Patient and Doctor Committee. Participation in the Formative Objective Structured Clinical Examination (OSCE) is compulsory. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Similar to Patient and Doctor 1

**GDMP2023****Population Medicine 4  
Medicine**

**Credit points:** 3 **Session:** Semester 2 **Classes:** Similar to Community and Doctor 1 **Assessment:** Satisfactory performance in the Community and Doctor components of the written assessment as determined by the Community and Doctor Committee. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Similar to Community and Doctor 1

**GDMP2024****Personal and Professional Development 4  
Medicine**

**Credit points:** 3 **Session:** Semester 2 **Classes:** Similar to Personal and Professional Development 1 **Assessment:** Satisfactory performance requires the demonstration of the following competencies: 1. Appropriate ethical and professional behaviour as determined by the PPD committee. 2 attendance at all designated activities in this stage, 3 attendance and completion of all designated Evidence Based Medicine (EBM) activities. Students who miss more than 15% of tutorials in any Block of study may not be eligible to proceed to Stage 3 except by a specific decision of the Stage 2 Examination Committee. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Similar to Personal and Professional Development 1

**GDMP2025****Independent Learning Activity  
Medicine**

**Credit points:** 2 **Session:** Semester 2 **Classes:** Depends on the title of the independent learning activity and approval from the faculty **Assessment:** Independent Learning Activities will be assessed as specified in the Independent Learning Activity Contract. This may be by means of an essay (1000-2000 words), or scientific paper, oral presentation, audio tape, videotape, workshop presentation, laboratory report or a report that describes the activities that have been undertaken and the outcomes achieved. Successful completion will be confirmed by the supervisor's signing of the completed Independent Learning Activity Completion Abstract and the approval of the Independent Learning Activity Committee. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

In the first two stages, students are required to extend the range and depth of their learning by enrolling in an Independent Learning Activity. Independent Learning Activities are varied and include seminar programs, small projects of various types including research, skills-based programs for small groups (e.g. dissection), education-related projects (e.g. developing computer-based materials or undertaking an evaluative study). Many Independent Learning Activities are generated by students themselves, but others are offered by staff. A list of possible Independent Learning Activities is provided, inviting students to indicate their interest. Independent Learning Activity projects require approval by Faculty.

**GDMP3012****Basic and Clinical Sciences 5  
Medicine**

**Credit points:** 12 **Session:** Semester 1 **Classes:** Various clinical schools **Assessment:** Satisfactory performance in the written papers as determined by the Theme committee **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

**Associated degrees:** M B, B S.

Involves student attachments to the main medical and surgical ward services and associated ambulatory clinics in the teaching hospitals in the clinical schools. Students will also have some experience in sub-specialty disciplines, such as Ear Nose and Throat and Ophthalmology. About half of each student's week is spent directly involved in the clinical activities of the service to which they are attached. A progressive increase in clinical responsibility is expected over the total 32 weeks duration of these attachments.

**GDMP3013****Patient and Doctor 5  
Medicine**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Similar to Basic and Clinical Sciences 5 **Assessment:** In order to meet the assessment requirements for the Patient and Doctor theme, students must obtain a satisfactory result in a clinical performance assessment and receive an overall satisfactory result in the Supervisor reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

**Associated degrees:** M B, B S.

Similar to Basic and Clinical Sciences 5

## GDMP3014

### Community and Doctor 5 Medicine

**Credit points:** 3 **Session:** Semester 1 **Classes:** Similar to Basic and Clinical Sciences 5 **Assessment:** 1. Satisfactory performance in a Community Doctor assignment as determined by the Theme committee; 2. Satisfactory performance in the Community Doctor component of the written assessment. Students must meet both of these requirements in order to receive a satisfactory result for the Community and Doctor theme in the ICAs. **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

**Associated degrees:** M B, B S.

Similar to Basic and Clinical Sciences 5

## GDMP3015

### Personal and Professional Development 5 Medicine

**Credit points:** 3 **Session:** Semester 1 **Classes:** Similar to Basic and Clinical Sciences 5 **Assessment:** Students must meet all these requirements in order to receive a satisfactory result for the PPD theme in Stage 3. Satisfactory performance in the PPD portfolio; satisfactory performance in the Evidence Based Medicine (EBM) PEARLS task; students will be expected to attend all problem based learning sessions and tutorials; satisfactory attendance for all clinical rotations (recorded by the supervisor on the supervisor report form); participation in all required formative assessments; demonstration of ethical and professional behaviour as determined by the PPD Committee. **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

**Associated degrees:** M B, B S.

Similar to Basic and Clinical Sciences 5

## GDMP3022

### Basic and Clinical Sciences 6 Medicine

**Credit points:** 12 **Session:** Semester 2 **Classes:** Similar to Basic and Clinical Sciences 5 **Assessment:** Similar to Basic and Clinical Sciences 5 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

**Associated degrees:** M B, B S.

Similar to Basic and Clinical Sciences 5

## GDMP3023

### Patient and Doctor 6 Medicine

**Credit points:** 6 **Session:** Semester 2 **Classes:** Similar to Patient and Doctor 5 **Assessment:** Similar to Patient and Doctor 5 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

**Associated degrees:** M B, B S.

Similar to Patient and Doctor 5

## GDMP3024

### Community and Doctor 6 Medicine

**Credit points:** 3 **Session:** Semester 2 **Classes:** Similar to Community and Doctor 5 **Assessment:** Similar to Community and Doctor 5 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

**Associated degrees:** M B, B S.

Similar to Community and Doctor 5

## GDMP3025

### Personal and Professional Development 6 Medicine

**Credit points:** 3 **Session:** Semester 2 **Classes:** Similar to Personal and Professional Development 5 **Assessment:** Similar to Personal and Professional Development 5 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

**Associated degrees:** M B, B S.

Similar to Personal and Professional Development 5

## GDMP3101

### Medicine Year Three Medicine

**Credit points:** 10 **Teacher/Coordinator:** Associate Professor Christopher Dennis **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken at the student's assigned Clinical School. **Prerequisites:**

GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Assessment:** This unit will be assessed with an on-line formative assessment at the end of the Term, followed by a written summative assessment at the end of Term D which will include components from Terms A,B,C&D **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Medicine Year Three is the first of two Medicine Terms undertaken by medical students enrolled in Stage 3 of the MBBS. This is a non-specialty Term.

## GDMP3102

### Medicine Year Four Medicine

**Credit points:** 10 **Teacher/Coordinator:** Associate Professor Christopher Dennis **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken at the student's assigned Clinical School. **Prerequisites:** GDMP3101 **Assessment:** This unit will be assessed with an on-line formative assessment at the end of the Term, followed by a written summative assessment at the end of Term I which will include components from Terms F,G,H & I. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Medicine Year Four is the second of two Medicine Terms undertaken by medical students enrolled in Stage 3 of the MBBS. This is a non-specialty Term.

## GDMP3103

### Surgery Medicine

**Credit points:** 10 **Teacher/Coordinator:** Associate Professor Christopher Dennis **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken at the student's assigned Clinical School. **Prerequisites:** GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Assessment:** This unit will be assessed with an on-line formative assessment at the end of the Term, followed by a written summative assessment at the end of Term D for students in Year 3 which will include components from Terms A,B,C & D. Students in Year 4 will be assessed with an on-line formative assessment at the end of the Term, followed by a written summative assessment at the end of Term I which will include components from Terms F,G,H & I. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Surgery is the Surgical Term undertaken by medical students enrolled in Stage 3 of the MBBS. This is a non-specialty Term.

## GDMP3104

### Critical Care Medicine

**Credit points:** 10 **Teacher/Coordinator:** Associate Professor Christopher Dennis **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken at the student's assigned Clinical School. **Prerequisites:** GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Assessment:** This unit will be assessed with an on-line formative assessment at the end of the Term, followed by a written summative assessment at the end of Term D for students in Year 3 which will include components from Terms A,B,C & D. Students in Year 4 will be assessed with an on-line formative assessment at the end of the Term, followed by a written summative assessment at the end of Term I which will include components from Terms F,G,H & I. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Critical Care is the Critical Care Term undertaken by medical students enrolled in Stage 3 of the MBBS. This is a non-specialty Term.

## GDMP3105

### Community Medicine

**Credit points:** 10 **Teacher/Coordinator:** Associate Professor Christopher Dennis **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken at the student's assigned Clinical School. **Prerequisites:** GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Assessment:** This unit will be assessed across 4 Themes as follows: Basic & Clinical Science: self-directed learning problems, presentations and leading discussion; Patient & Doctor: Case commentaries; Community & Doctor: Clinical Service Project; Personal & Professional Development: Evidence Based Medicine (EBM) case commentary report, attendance, participation and professional behaviour. Students must achieve a satisfactory level of competence

in all four themes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Community is the Community Term undertaken by medical students enrolled in Stage 3 of the MBBS. This is a specialty Term.

### GDMP3106

#### Psychological and Addiction Medicine Medicine

**Credit points:** 10 **Teacher/Coordinator:** Associate Professor Christopher Dennis **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken at the student's assigned Clinical School. **Prerequisites:** GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Assessment:** This unit will be assessed across 4 Themes as follows: Basic & Clinical Science: written Mini Essay Questions (MEQs); Patient & Doctor: Observed Long Case; Community & Doctor or PPD: Case Study; Personal & Professional Development (PPD): Completion of workbook including Evidence Based Medicine (EBM), attendance, participation and professional behaviour. Students must achieve a satisfactory level of competence in all four themes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Psychological and Addiction Medicine is the Psychological and Addiction Medicine Term undertaken by medical students enrolled in Stage 3 of the MBBS. This is a specialty Term.

### GDMP3107

#### Perinatal and Women's Health Medicine

**Credit points:** 10 **Teacher/Coordinator:** Associate Professor Christopher Dennis **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken at the student's assigned Clinical School. **Prerequisites:** GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Assessment:** This unit will be assessed across 4 Themes as follows: Basic & Clinical Science: written Mini Essay Questions (MEQs); Patient & Doctor: Observed Structured Clinical Examinations (OSCEs); Community & Doctor or PPD: Theme paper; Personal & Professional Development (PPD): Attendance, participation and professional behaviour. Students must achieve a satisfactory level of competence in all four themes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Perinatal and Women's Health is the Perinatal and Women's Health Term undertaken by medical students enrolled in Stage 3 of the MBBS. This is a specialty Term.

### GDMP3108

#### Child and Adolescent Health Medicine

**Credit points:** 10 **Teacher/Coordinator:** Associate Professor Christopher Dennis **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken at the student's assigned Clinical School. **Prerequisites:** GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Assessment:** This unit will be assessed across 4 Themes as follows: Basic & Clinical Science: written Mini Essay Questions (MEQs); Patient & Doctor: Observed Structured Clinical Examinations (OSCEs); Community & Doctor or PPD: Community and Doctor presentations and leading discussion; Personal & Professional Development (PPD): Attendance, participation and professional behaviour. Students must achieve a satisfactory level of competence in all four themes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M B, B S.

Child and Adolescent Health is the Child and Adolescent Health Term undertaken by medical students enrolled in Stage 3 of the MBBS. This is a specialty Term.

### GDMP3109

#### Elective Medicine

**Credit points:** 12 **Teacher/Coordinator:** Ms Karen Garlan **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken in an environment approved by the Clinical School Elective Committee Members. **Prerequisites:** GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Prohibitions:** GDMP4110 **Assessment:** This unit will be assessed by the submission of an 'Elective Term Report' of between 1,500 to 5,000 words at the end of the Elective Term. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students must obtain approval to undertake an elective from the Clinical School Elective Committee Members who have the role of advising, counselling and directing students in their applications and approving Electives.*

**Associated degrees:** M B, B S.

Elective is the Elective Term that offers students an opportunity to undertake supervised experience in clinical, community work or research, locally, interstate or anywhere in the world. It is an opportunity to prepare for a particular career direction, explore different experiences or enhance skills in particular areas of a student's own choice whilst enrolled in Stage 3 of the MBBS. Students usually organise their own Elective terms but if advice or assistance is needed students can contact the Associate Deans of their Clinical Schools or the Medical Program Administration Unit (MPAU).

### GDMP4011

#### Child and Adolescent Health Medicine

**Credit points:** 10 **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** Various clinical schools **Assessment:** Progression in Stage 4 depends on satisfactory performance in all four themes in all designated summative assessments held during Stage 4 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

*Note: Department permission required for enrolment in the following sessions: S2 Late Int.*

**Associated degrees:** M B, B S.

Studies include Paediatric and Adolescent Medicine and Surgery

### GDMP4012

#### Perinatal and Women's Health Medicine

**Credit points:** 10 **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** Various clinical schools **Assessment:** Progression in Stage 4 depends on satisfactory performance in all four themes in all designated summative assessments held during Stage 4 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

*Note: Department permission required for enrolment in the following sessions: S2 Late Int.*

**Associated degrees:** M B, B S.

Studies include Obstetrics, Fetomaternal Medicine, Neonatal Medicine and Gynaecology (plus Dermatology)

### GDMP4013

#### Community Practice Medicine

**Credit points:** 10 **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** Various clinical schools **Assessment:** Progression in Stage 4 depends on satisfactory performance in all four themes in all designated summative assessments held during Stage 4 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

*Note: Department permission required for enrolment in the following sessions: S2 Late Int.*

**Associated degrees:** M B, B S.

In both urban and rural settings, including General Practice, Geriatric Medicine and Sexual Health Medicine.

### GDMP4014

#### Psychological and Addiction Medicine Medicine

**Credit points:** 10 **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** Various clinical schools **Assessment:** Progression in Stage 4 depends on satisfactory performance in all four themes in all designated summative assessments held during Stage 4 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

*Note: Department permission required for enrolment in the following sessions: S2 Late Int.*

**Associated degrees:** M B, B S.

Studies include Drug & Alcohol, Community Psychiatry, Psychogeriatrics, Paediatric Psychiatry and Adolescent Medicine

### GDMP4015

#### Elective

**Medicine**

**Credit points:** 4 **Session:** S2 Late Int, Semester 1 **Classes:** A venue approved by the Faculty of Medicine **Assessment:** Students needs to clearly outline appropriate learning objectives and achieve those learning objectives. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment in the following sessions: S2 Late Int.*

**Associated degrees:** M B, B S.

The prime objective of the Elective Term is to provide the students with experience in a specific area of medicine of their own choice. Students arrange for their elective placement to be approved prospectively by the Faculty, nominating a supervisor who is required to provide a report on the student's performance at the end of the elective. A minimum of eight weeks of supervised experience is required for this term.

**GDMP4025****Pre-Internship Term  
Medicine**

**Credit points:** 4 **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** Various clinical schools **Assessment:** Each student in the pre-internship phase will be responsible for his/her own learning, but with clear requirements for a final signing off at the end of Stage 4 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

*Note: Department permission required for enrolment in the following sessions: S2 Late Int, Semester 1.*

**Associated degrees:** M B, B S.

The Pre-Internship Term aims to ease the transition to internship. Students are placed in locations accredited by the Postgraduate Medical Council of New South Wales for intern training with programs modified to meet the special needs of final-stage students.

**GDMP4110****Honours/ Research Project  
Medicine**

**Credit points:** 12 **Teacher/Coordinator:** Dr Margot Day **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Frequent, regular contact the honours or research supervisor. **Prerequisites:** GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Prohibitions:** GDMP3109 **Assessment:** Honours thesis or research report (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: To apply for honours in the MBBS, students must submit a research proposal to the Honours/ Research Co-ordinator at the end of Stage 2 and before the commencement of Stage 3 of the MBBS.*

**Associated degrees:** M B, B S.

Honours/ Research students will undertake a supervised research project whilst enrolled in the MBBS, that will culminate in the submission of an honours thesis or research report. Students will be monitored through regular progress reports.

**GENE2001****Agricultural Genetics 2****Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Professor Peter Sharp **Session:** Semester 1 **Classes:** (3 lec, 3 prac/tut)/wk **Prerequisites:** At least one of (BIOL1001, BIOL1002, BIOL1101, BIOL1901, BIOL1911) **Assessment:** Exam, assignment, tests. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B Sc Agr, UG Study Abroad Program.

This lecture and practical unit of study provides an introduction to the genetics and breeding of plants and animals. It provides an understanding for parallel and following courses. Lectures cover the basics of gene transmission and interaction, cytogenetics, molecular genetics, population and quantitative genetics, as well as the more applied aspects of plant and animal breeding and biotechnology. Practicals emphasise, with agricultural examples, the procedures of genetic and cytogenetic analysis, and the use of computers in simulation procedures in population genetics, quantitative inheritance and selection programs, and provide exposure to current plant and animal breeding and biotechnology.

**GENE4011****Plant Cytogenetics****Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Dr Norm Darvey **Session:** Semester 2 **Classes:** (2 lec, 2 seminars/workshops, 1 lab)/wk **Prerequisites:** BIOM2001, GENE2001. **Assessment:** 2hr exam, assignments, practical reports, presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B An Vet Bio Sc, B Hort Sc, B L W Sc, B Sc Agr, UG Study Abroad Program.

Lectures in cytology and cytogenetics, with special emphasis on cereals and the application of chromosome engineering to plant breeding. The laboratory unit includes routine cytological procedures and tissue culture technology.

**GENE4012****Plant Breeding****Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Professor Richard Trethowan **Session:** Semester 2 **Classes:** (2 lec, 2 seminars/workshops, 1 lab)/wk **Prerequisites:** BIOM2001, GENE2001 **Assessment:** 2hr exam, assignments, practical reports, presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hort Sc, B L W Sc, B Sc Agr, UG Study Abroad Program.

Lectures and practical work devoted to the theory, philosophy and practice of plant breeding, screening techniques conservation of genetic variability, breeding for disease resistance, the use of tissue culture in breeding, with examples from both field and horticultural crops.

**GENE4013****Molecular Genetics and Breeding****Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Professor Peter Sharp **Session:** Semester 1 **Classes:** (3 lec, 2 seminars/workshops, 1 lab)/wk **Prerequisites:** BIOM2001, GENE2001 **Assessment:** 2hr exam, assignments, practical reports, presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hort Sc, B L W Sc, B Sc Agr, UG Study Abroad Program.

Lectures and laboratory work covering the structure and function of plant genomes and genes, the technology and results of DNA transformation and the analysis of plant traits by molecular techniques including by genetic mapping using molecular and other genetic markers.

**GENE4014****Population and Quantative Genetics****Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Prof Chris Moran **Session:** Semester 1 **Classes:** (3 lec, 2 labs)/wk **Prerequisites:** BIOM2001, GENE2001 **Corequisites:** GENE4012 **Assessment:** 2hr exam, assignments, practical reports, presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hort Sc, B L W Sc, B Sc Agr, UG Study Abroad Program.

Lectures and practical periods dealing with population genetic, quantitative inheritance and animal breeding given by the Faculty of Veterinary Science.

**GENS1000****Education 1: Introduction to Teaching****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Dr Jennifer Rowley **Session:** Semester 1 **Classes:** 1 hr lecture and 1 hr tutorial/wk **Assessment:** Report (30%), poster and presentation (30%), examination (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.



Examining the theory and practice of how to teach and how students learn is vital to pre-service teachers. Introduction to Teaching is designed to help you become a reflective classroom teacher who can use good teaching practices and appropriate learning experiences through the effective use of pedagogy. The subject's goal is to develop reflective classroom teachers who can design and develop effective teaching and learning skills and strategies. At the end of this course, you should be able to: explain the role of and the relationship between the school, the teacher and the learner;

recognise, discuss and demonstrate a variety of teaching strategies to develop appropriate teaching and learning experiences for students; recognise, discuss and apply instructional strategies to create a positive and reflective learning environment supporting learning for all students; discuss principles underlying theoretical models of pedagogy; explain, compare and evaluate the practices of theoretical models for effective teaching and learning; summarise and explain the concept of teaching as a reflective practice and apply strategies of reflection to improving classroom practices.

#### Textbooks

S. Groundwater-Smith, R. Ewing and R. Le Cornu (2003); Teaching Challenges and Dilemmas (2nd ed.). Southbank, Vic: Thompson.

### GENS1001

#### Education 2: Educational Psychology Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Sharon Tindall-Ford **Session:** Semester 2 **Classes:** 1hr lec and 1hr tut/wk **Assessment:** One 1500w essay (40%), tutorial participation and attendance (20%), and short answer tests (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

This course provides an introduction to the study of educational psychology with an emphasis on the cognitive approach to learning and instruction. The course presents an overview of the historical relationship between education and psychology and how cognitive psychology has become the dominant theory in shaping education practices today. The unit aims to develop students' understanding of cognitive psychology and its applicability to music education through a discussion of relevant research and participation in tutorial experiments. It also aims to develop students' understanding of the learner, the learning process and how educators can optimise music instruction through adopting best practices based on empirical research. Topics include: human cognitive architecture and information processing theory; the role of knowledge; memory structures and cognitive processes; problem solving and critical thinking and Piaget's theory of cognitive development.

#### Textbooks

McInerney, D.M. and McInerney, V. Educational Psychology. (3rd ed.) Prentice Hall, Australia, 2002

### GENS2000

#### Education 3: Developmental Psychology Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Sharon Tindall-Ford **Session:** Semester 1 **Classes:** 1hr lec and 1hr tut/wk **Prerequisites:** GENS1001 Education 2: Educational Psychology **Assessment:** Tutorial presentation 20%, 1500 word essay 40%, research project 40%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

This course provides an introduction to the study of developmental psychology with the major emphasis on the changes and developments that are unique to adolescence. The course begins with an introduction to the question "What is developmental psychology?" and examines the different approaches undertaken in the study of human development. A summary of the milestones in human development from infancy throughout childhood are summarised. A review of Piaget Theory from Education 2 is undertaken, highlighting the transition from the concrete operational

stage (childhood) to formal operations (adolescence). The major focus of this unit of study is on adolescence; adolescence and family peer relationships; development of Identity; development of Issues in adolescence; research and theories related to these topics and their implications for high school classroom teaching and music education are discussed.

#### Textbooks

McInerney, D.M. and McInerney, V. Educational Psychology. (3rd ed.) Prentice Hall, Australia, 2002

### GENS2001

#### Education 4: Studies in Teaching Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Ross Gilbert **Session:** Semester 2 **Classes:** 1hr lec and 1hr tut/wk **Assessment:** One 1500w essay (50%), seminar presentation (30%), seminar participation (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, UG Study Abroad Program.

The purpose of this unit is to use the prior practical and academic experiences of those enrolled in the Bachelor of Music (Music Education) program as a basis for the development of further skills in, and understanding of, classroom teaching. The content will consist of two related strands, namely, cooperative learning and classroom management. Cooperative learning is emphasised because there has been a tendency for music teachers to work mainly in a teacher-centred setting. Students will study cooperative learning by working in small groups practising advanced questioning and active listening skills. The second strand, classroom management, will emphasise such concepts as demonstrating authority, organising the classroom, choosing rules and procedures, communicating with students and the management approaches of Glasser, Canter and Dreikurs. Students not enrolled in BMus(Music Education) are required to meet with the Course Coordinator before enrolling in this unit. For further information contact Dr D. Collins (General Studies).

#### Textbooks

Emmer E T et al. Classroom management for secondary teachers. (6th ed.) Englewood Cliffs, NJ: Prentice Hall, 2002.

### GENS2002

#### Practical Stagecraft Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Diane Collins **Session:** Semester 2 **Classes:** Two 1hr lec and two 1hr prac tut/wk for 8 weeks. It commences in Week 1, continues for three weeks for four hours per week, then recommences in Week 12 and continues for three weeks, four hours per week. **Assessment:** Practical assessment 50%, stagecraft diary 50%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This General Studies unit is designed to give students an understanding of the process of staging theatre and music theatre in a student or community environment. It covers areas such as the historical development of the actor/audience relationship, form and style and its relationship to theatre design, technical production, basic acting technique and direction. These areas will be covered in lectures, practical experiences, excursions and research. For further information contact Dr D. Collins (General Studies).

### GENS2004

#### Historical and Cultural Studies 1 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Diane Collins **Session:** Semester 1 **Classes:** 1 lecture, 1 tutorial/wk **Assessment:** Essay 2000w (50%), tutorial presentation (30%), lecture and tutorial participation and attendance (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

A study of culture, power and encounter in European history from the medieval era to the dawn of the modern age. The course seeks to analyse the basis of Europe's cultural and historical identity and to place that identity within a global context. Topics may include environmental history, feudalism, mentalities, gender relations, religious transformations, cultural change and the evolution of the "other" in European thought. This involves a study of cross-cultural encounters, with particular emphasis placed on relations with Islam, Asia and Meso-America. By understanding European assumptions regarding difference, students will develop a deeper appreciation of their own cultural and social sensibilities. The unit also aims to provide students with generic oral and written communication skills. Stress will be placed on developing research skills, the distinction between formal and informal writing, the process of critical analysis and techniques of oral presentation and small group discussion. Students will be encouraged to acquire collaborative as well as individual skills. For further information contact Dr D. Collins (Arts and Cultural Inquiry).

### GENS2005

#### Historical and Cultural Studies 2 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Diane Collins **Session:** Semester 2 **Classes:** 1 lecture, 1 tutorial/wk **Assessment:** Essay 2000w (50%), tutorial presentation (30%), lecture and tutorial participation and attendance (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The French and Industrial revolutions are usually seen as initiating the "modern" era. This unit examines the ideological, social and cultural underpinnings of modernism. Topics may include nationalism, romanticism, radicalism, imperialism, orientalism, the emergence of mass culture, the rise of the avant-garde, the cultural roots of totalitarianism, the relationship between art and revolution and genocide and modernity. The unit builds on the generic communication skills component of Historical and Cultural Studies 1. For further information contact Dr D. Collins (Arts and Cultural Inquiry).

### GENS3000

#### Education 5: Philosophy and History Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Diane Collins **Session:** Semester 1 **Classes:** 1hr lec and 1hr tut/wk **Assessment:** One 2000w essay (50%), seminar presentation (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, UG Study Abroad Program.

The purpose of this unit is to assist students in their thinking about the aims and practices of education by introducing them to a study of the philosophy and history of education. Emphasis is placed upon the methods of philosophical thought and upon encouraging students to apply these in their thinking and discussion of the nature of education and educational processes. The students are introduced to some of the great educational thinkers and to contemporary educational thought in order to stimulate them to examine educational issues and to apply the methods of analysis they are learning to the teaching of music. For further information contact Dr D. Collins (Arts and Cultural Inquiry).

### GENS3001

#### Education 6: Curriculum-Theory & Design Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Ross Gilbert **Session:** Semester 1 **Classes:** 1hr lec and 1hr tut/wk **Assessment:** Seminar presentation (30%) portfolio containing a curriculum design and reflective discussion (70%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students not enrolled in BMus(Music Ed) are required to meet with the Course Coordinator before enrolling in this unit.*

**Associated degrees:** B Mus Studies, UG Study Abroad Program.

The study of curriculum asks, "What should students learn?", and, "How should this learning take place?". In a democratic society where

teachers have considerable choice in the selection of content and the mode of delivery it is essential that student teachers be aware of the philosophical and theoretical issues relating to curriculum and to the process of curriculum design. Thus, the purpose of this unit is to introduce students to curriculum theory through the study of current practices and through the activity of course design. The content of the unit will be presented under four major headings: i. forms of curriculum organisation; ii. curriculum development in New South Wales; iii. the elements of curriculum, viz., objectives, content, method and evaluation; iv. alternative views of curriculum. For further information contact Dr R. Gilbert (Arts and Cultural Enquiry).

#### Textbooks

Pratt D. Curriculum planning. Orlando: Harcourt Brace, 1994

### GENS3004

#### Historical and Cultural Studies 3 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Diane Collins **Session:** Semester 2 **Classes:** 1 lecture and 1 tutorial/wk **Assessment:** Essay 2000w (50%), tutorial presentation (30%), lecture and tutorial participation and attendance (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

A study of social, cultural and intellectual change in the early modern period. Topics may include the natural and material environment, changing structures of family and community, popular culture, witchcraft, science and the decline of magic, gender, oral, print and performance cultures, ecological imperialism and slavery. Students will be continually encouraged to relate their knowledge of music to these larger themes and historical constructions. Film, literature, art and music will be used to exemplify the themes basic to the unit. Communication skills remain a core component of the course. Students will be expected to build on the techniques developed in the first year units and to develop a deeper understanding of the processes involved in effective oral and written communication. For further information contact Dr D. Collins (Arts and Cultural Inquiry).

### GENS3005

#### Historical and Cultural Studies 4 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Diane Collins **Session:** Semester 1 **Classes:** 1 lecture, 1 tutorial/wk **Assessment:** Essay 2000w (50%), tutorial presentation (30%), lecture and tutorial participation and attendance (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit is intended to deepen the student's understanding of nineteenth and early twentieth century social and cultural history. The ongoing impact of industrialisation is a key theme. Topics may include childhood, religious change, early feminism, sexuality, diasporas, social reform, "high" and "low" culture and the role of the state in changing conceptions of individual identity. Students are further encouraged to develop contextual links with their music studies. Film, literature and music are also used to deepen the student's understanding of this course. For further information contact Dr D. Collins (Arts and Cultural Inquiry).

### GENS4001

#### Education 7: Individual Differences Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Jennifer Rowley **Session:** Semester 2 **Classes:** 1hr lecture and one 1hr tutorial/wk **Prerequisites:** GENS1001 Education 2 and GENS2000 Education 3 **Assessment:** Tutorial presentation (30%), tutorial paper (30%), adapted lesson plans (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies.

This subject will introduce students to the individual differences and the exceptional needs of learners. The aim of the subject is to provide a sound theoretical foundation for further studies in education (special needs). The scope of the course is extensive and will require students to critically engage with the theoretical perspectives presented and their practical applications for the classroom and beyond. At the end of this course, you should be able to: critically examine widely held perceptions about people with disabilities and exceptional abilities; develop an understanding of the needs of exceptional learners; demonstrate basic skills in the individualisation of instruction in relation to exceptional learners; demonstrate basic skills in the differentiation of curriculum in relation to gifted and talented students; analyse and evaluate theoretical issues underpinning the education of learners with exceptional needs; critically evaluate current trends in relation to the policies of integration of exceptional people into schools and the community.

#### Textbooks

Foreman, P. (Ed) *Integration and Inclusion in Action*. Southbank, Victoria: Nelson Australia.

### GEOG1551

#### Geography Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B Ec (Soc Sc), B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOG1552

#### Geography Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOG2321

#### Fluvial and Groundwater Geomorphology Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Melissa Neave **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** GEOG(2311 or 2001) or 36 credit points of Junior study including GEOS1001 or GEOS1901 or GEOG1001 or ENVI (1001 or 1002) or GEOL (1001 or 1002 or 1501). Students in the Bachelor of Resource Economics should have 36 credit points of study in Biology (or Land and Water Science), Chemistry and Mathematics. Students in the Bachelor of Land and Water Science should have ENVI1002, 12 credit points of Chemistry, 6 credit points of Biology, BIOM1002. **Prohibitions:** GEOG (2002 or 2302 or 2303) or MARS2002 or MARS2006 **Assessment:** One 2 hr exam, one quiz, one field report, practical exercises **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Ec (Soc Sc), B L W Sc, B Res Ec, B Sc, B Sc (Environmental), UG Study Abroad Program.

This unit of study provides an introduction to the fundamentals of fluvial geomorphology (the study of surface water as an agent of landscape change) and groundwater hydrology. The fluvial geomorphology section of the unit will describe the movement of water in stream channels and investigate the landscape change associated with that movement. Topics to be covered will include open channel flow hydraulics, sediment transport processes and stream channel

morphology. Practical work will focus on the collection and analysis of field data. The quantity and quality of the groundwater resources are closely linked to geology and fluvial geomorphology. The groundwater section of this unit is based around four common groundwater issues: contamination, extraction, dryland salinity and groundwater-surface water interaction. In the practical component, common groundwater computer models such as FLOWTUBE and MODFLOW will be used to further explore these problems.

#### Textbooks

Recommended Textbooks: Fetter, CW. *Applied Hydrogeology*. Prentice-Hall. 2001. & Knighton, D. *Fluvial Forms and Processes*. Hodder-Arnold. 1998

### GEOG2556

#### Geography Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOG2557

#### Geography Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOG2558

#### Geography Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOG2559

#### Geography Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOG3521

#### Sustainable Cities

## Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Phil McManus **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical/tutorial per week. **Prerequisites:** 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. **Prohibitions:** GEOG3921, GEOG3202 **Assessment:** One 2 hour exam; 2000 word essay, tutorial papers, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Ec (Soc Sc), B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

Are cities sustainable? Why or why not? This unit of study develops themes introduced in Intermediate units in Geography relating to sustainability, focusing on the ways we manage urban regions. This involves discussion of topics including utopian visions for cities, urban history, ecological footprint analysis, bioregionalism, transport options, urban form and urban policy, with reference to sustainable futures. The unit of study looks at different Australian cities and includes practical work on a current sustainability issue in Sydney.

### GEOG3551

#### Geography Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOG3552

#### Geography Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOG3553

#### Geography Exchange Science

**Credit points:** 12 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOG3554

#### Geography Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOG3555

#### Geography Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOG3921

#### Sustainable Cities (Adv) Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Phil McManus **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical/tutorial per week. **Prerequisites:** Distinction average 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. **Prohibitions:** GEOG3521, GEOG3202 **Assessment:** One 2 hour exam; 2000 word essay, tutorial papers, practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

Advanced students will complete the same core lecture material as for GEOG3521, but will carry out more challenging projects, practicals, assignments and tutorials.

### GEOG4011

#### Geography Honours A Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons).

Students enrolled in the Honours program study various advanced aspects of Geography. The program may include lectures, tutorials, seminars and practicals. Students will undertake a research project. Assessment will include the project and may include examination and classwork.

### GEOG4012

#### Geography Honours B Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** GEOG 4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons).

See GEOG4011

### GEOG4013

#### Geography Honours C Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** GEOG 4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons).

See GEOG4011

### GEOG4014

#### Geography Honours D

**Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** GEOG 4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons).

See GEOG4011

**GEOL1501****Engineering Geology 1****Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Tom Hubble **Session:** Semester 2 **Classes:** 39 hours lectures, 26 hours laboratory. Field excursions in the Sydney region, as appropriate. **Prohibitions:** GEOL1002, GEOL1902, GEOS1003, GEOS1903 **Assumed knowledge:** No previous knowledge of Geology assumed **Assessment:** Practical laboratory work, assignment, and a combined theory and practical exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B E.

Course objectives: To introduce basic geology to civil engineering students.

Expected outcomes: Students should develop an appreciation of geologic processes as they influence civil engineering works and acquire knowledge of the most important rocks and minerals and be able to identify them.

Syllabus summary: Geological concepts relevant to civil engineering and the building environment. Introduction to minerals; igneous, sedimentary and metamorphic rocks, their occurrence, formation and significance. General introduction to physical geology and geomorphology, structural geology, plate tectonics, and hydrogeology. Associated laboratory work on minerals, rocks and mapping.

*Textbooks*

Approved readings will be provided via WebCT

**GEOL1551****Geology Exchange****Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B E, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**GEOL1552****Geology Exchange****Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**GEOL2554****Geology Exchange****Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B E, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**GEOL2555****Geology Exchange****Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B E, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**GEOL2556****Geology Exchange****Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**GEOL2557****Geology Exchange****Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**GEOL3551****Geology Exchange****Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**GEOL3552****Geology Exchange****Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOL3553 Geology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOL3554 Geology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOL4011 Geology Honours A Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons).

Students enrolled in the Honours program study various advanced aspects of Geology. The program may include lectures, tutorials, seminars and practicals. Students will undertake a research project. Assessment will include the project and may include examination and classwork.

### GEOL4012 Geology Honours B Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** GEOL4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons).

See GEOL4011

### GEOL4013 Geology Honours C Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** GEOL4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons).

See GEOL4011

### GEOL4014 Geology Honours D Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** GEOL4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons).

See GEOL4011

### GEOP4011 Geophysics Honours A Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B S T (Hons), B Sc (Hons).

Students enrolled in the Honours program study various advanced aspects of Geophysics. The program may include lectures, tutorials, seminars and practicals. Students will undertake a research project. Assessment will include the project and may include examination and classwork.

### GEOP4012 Geophysics Honours B Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** GEOP4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S T (Hons), B Sc (Hons).

See GEOP4011

### GEOP4013 Geophysics Honours C Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** GEOP4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S T (Hons), B Sc (Hons).

See GEOP4011

### GEOP4014 Geophysics Honours D Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** GEOP4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S T (Hons), B Sc (Hons).

See GEOP4011

### GEOS1001 Earth, Environment and Society Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Mel Neave, Dr Bill Pritchard, Ms Edwina Tanner **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prohibitions:** GEOS1901, GEOG1001, GEOG1002, GEOL1001, GEOL1002, GEOL1902 **Assessment:** One 2 hour exam, 2000 word essay, field and prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B E, B Int S, B L W Sc, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program, UG Summer/Winter School.

This is the gateway unit of study for Human Geography, Physical Geography and Geology. Its objective is to introduce the big questions relating to the origins and current state of the planet: climate change, environment, landscape formation, and the growth of the human population. During the semester you will be introduced to knowledge, theories and debates about how the world's physical and human systems operate. The first module investigates the system of global environmental change, specifically addressing climate variability and human impacts on the natural environment. The second module presents Earth as an evolving and dynamic planet, investigating how changes take place, the rate at which they occur and how they have the potential to dramatically affect the way we live. Finally, the third module, focuses on human-induced challenges to Earth's future. This part of the unit critically analyses the relationships between people

and their environments, with central consideration to debates on population change and resource use.

### GEOS1002 Introductory Geography Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Mel Neave, Dr Kurt Iveson **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prohibitions:** GEOS1902, GEOG1001, GEOG1002 **Assessment:** One 2 hour exam, one 2000 word essay, five practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B E, B Int S, B Res Ec, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This unit of study provides an introduction to the ways that human and physical landscapes are produced. It begins with an investigation of Earth's surface features, exploring the distribution of landforms across Earth and interpreting their evolutionary histories. Several landscapes will be examined including those formed by rivers, wind, oceans and glaciers. But physical landscapes evolve under the influence of and affect human operations. Therefore, the unit of study will also consider the political, economic, cultural and urban geographies which shape contemporary global society. Each of these themes will be discussed with reference to key examples, in order to consider the ways in which the various processes (both physical and human) interact in the shaping of places. The unit of study will also include short field trips to localities surrounding the university to observe processes of spatial change and conflict. The unit of study is designed to attract and interest students who wish to pursue geography as a major within their undergraduate degree, but also has relevance to students who wish to consider the way geographers understand the contemporary world.

### GEOS1003 Introduction to Geology Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Tom Hubble, A/Prof Clarke **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour practical per week. **Prohibitions:** GEOS1903, GEOL1002, GEOL1902 **Assessment:** One 2 hour exam, practical reports, field report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B E, B L W Sc, B Res Ec, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

The aim of this unit of study is to examine the chemical and physical processes involved in mineral formation, the interior of the Earth, surface features, sedimentary environments, volcanoes, and metamorphism. Lectures and laboratory sessions on mountain building processes and the formation of mineral deposits will lead to an understanding of the forces controlling the geology of our planet. Processes such as weathering, erosion and nature of sedimentary environments are related to the origin of the Australian landscape. In addition to laboratory classes there is a two-day excursion to the western Blue Mountains and Lithgow to examine geological objects in their setting.

#### Textbooks

The recommended text is Hamblin & Christiansen. Earth's Dynamic Systems. 9th Edition. Prentice Hall. 2001.

### GEOS1901 Earth, Environment and Society Advanced Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Mel Neave, Dr Bill Pritchard, Ms Edwina Tanner **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** Departmental permission is required for enrolment. A UAI above 93 is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator. **Prohibitions:** GEOS1001, GEOG1001, GEOG1002, GEOL1001, GEOL1002, GEOL1902 **Assessment:** One 2 hour exam, 2000 word essay, field and prac reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Agr Ec, B E, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

Advanced students will complete the same core lecture material as for GEOS1001, but will be required to carry out more challenging practical assignments.

### GEOS1902 Introductory Geography (Advanced) Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Mel Neave, Dr Kurt Iveson **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** Departmental permission is required for enrolment. A UAI above 93 is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator. **Prohibitions:** GEOS1002, GEOG1001, GEOG1002 **Assessment:** One 2 hour exam, one 2000 word essay, five practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Agr Ec, B E, B Res Ec, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

Advanced students will complete the same core lecture material as for GEOS1002, but will be required to carry out more challenging practical assignments.

### GEOS1903 Introduction to Geology (Advanced) Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Tom Hubble, A/Prof Geoff Clarke **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour practical per week. **Prerequisites:** Departmental permission is required for enrolment. A UAI above 93 is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator. **Prohibitions:** GEOL1002, GEOL1902, GEOS1003 **Assessment:** One 2 hour exam, practical reports, field report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Agr Ec, B E, B Res Ec, B Sc, B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This unit has the same objectives as GEOS1003 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. This unit may be taken as part of the BSc (Advanced).

### GEOS2111 Natural Hazards: a GIS Approach Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Patrice Rey and others **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour practical per week. **Prerequisites:** 24 credit points of junior units of study including one of GEOS1001 or GEOS1002 or GEOS1003 or GEOG1001 or GEOG1002 or ENV1002 or GEOL1001 or GEOL1002 or GEOS1902 or GEOL1501 or GEOS1901 or GEOS1903 **Prohibitions:** GEOG2411, GEOS2911 **Assessment:** One 2 hour exam, one assignment, report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

The geosciences provide an essential framework for understanding the environmental response to short- and long-term geologic, oceanic and atmospheric processes. This unit of study introduces students to a variety of natural phenomena that affect society with impact levels ranging from nuisance to disastrous. The discussion of each hazard focuses on: (1) the process mechanics, (2) hazards and risk, and (3) methods for mitigation. Geographic Information Systems (GIS) are used by scientists, planners, policy-makers and the insurance industry alike to address many issues relating to natural hazards. This unit of study will introduce students to the major concepts relating to GIS and provide practical experience in the application of GIS techniques to hazard mapping, risk assessment and mitigation.

**GEOS2112****Economic Geography of Global Development Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Bill Pritchard, A/Prof Phil Hirsch  
**Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** 24 credit points of Junior units of study, including GEOS1001 or GEOS1002 or GEOS1003 or GEOS1901 or GEOS1902 or GEOS1903 or ECOP1001 or ECOP1002 or GEOG1002 or GEOG1001 or GEOL1002 or GEOL1902 **Prohibitions:** GEOS2912, GEOG2511 **Assessment:** One 2 hour exam, 2000 word essay, tutorial papers, practical report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Int S, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

In this unit of study, students will be introduced to the sub-discipline of economic geography by way of debates on the spatial character of global development. We focus on questions relating to who are the winners and losers from contemporary patterns of global economic change. This includes the analysis of relevant conceptual approaches to these questions (including comparative advantage, global commodity chain theory, regionalism, economic governance etc), plus 'hands-on' examination of the key institutions (such as the WTO and ADB) driving these changes. In general, issues are tailored to themes being played out in Asia-Pacific countries. Students are expected to participate in a variety of practical class exercises throughout the semester, which will include presenting the fruits of independent research activities. This unit provides an especially relevant feeder-unit into GEOS3053/ GEOS3054, the Asia-Pacific Field School.

**GEOS2113****Making the Australian Landscape Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr S.J. Gale **Session:** Semester 1 **Classes:** Two - three 1 hour lectures and one - two 1 hour practicals per week. **Prerequisites:** 24 credit points of Junior units of study, including GEOS1002 or GEOS1003 or GEOS1902 or GEOS1903 or GEOG1001 or ENVI1002 or GEOL1001 or GEOL1002 or GEOL1902 **Prohibitions:** GEOS2913 **Assessment:** One 2 hour examination, practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, UG Study Abroad Program.

The shifts in the nature of the Earth's environment over time and the resultant changes in process regimes have had dramatic impacts on the way the Australian physical landscape has evolved. We consider here the effects of these changes on the broad pattern of the landscape, focusing particularly on slopes and soils. We follow this by investigating the environmental changes that have taken place since the end of the last glacial, the time when the continent's climates and environments first took on a recognisably modern form. We deal specifically with the impact of human activity on the Australian biophysical environment, emphasising both pre-European impacts and those changes that have taken place since European contact.

**GEOS2114****Volcanoes, Hot Rocks and Minerals Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Derek Wyman, Dr Patrice Rey, Prof Geoff Clarke **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour practical per week. **Prerequisites:** One of (GEOG1001, GEOL1001, GEOL1002, GEOS1003, GEOS1903, ENVI1002, GEOL1902, GEOL1501) and 24 credit points of Junior Science units of study. **Prohibitions:** GEOL2111, GEOL2911, GEOS2914 **Assessment:** One 2 hour exam, practical reports, field trip report, group presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B E, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program, UG Summer/Winter School.

This unit of study relates the plate tectonics of subduction zones to a) volcanoes and their hazards; b) geological processes in the deep crust; and c) the formation of precious metal and gemstone ores around the Pacific Rim. A problem solving approach is used to develop the skills required to understand the history of individual volcanoes and predict their future activity and hazards. The unit includes a two

to three day field trip to study an extinct volcano in NSW. Practical work includes independent study of igneous systems, rocks and minerals employing both microscope-based techniques and computer modeling. The unit provides relevant knowledge for GEOS3006/3906 - Mineral Deposits and Spatial Data Analysis.

**GEOS2115****Oceans, Coasts and Climate Change Science**

**Credit points:** 6 **Teacher/Coordinator:** Ass/Prof Dietmar Müller, Dr Peter Cowell **Session:** Semester 1 **Classes:** 26 x 1 hour lectures 6 x 1 hour workshops 1 x 8 hour field work 1 x 24 hour field school (3 days, Easter break) **Prerequisites:** 48 credit points from Junior Units of Study **Prohibitions:** GEOS2915, MARS2006 **Assumed knowledge:** At least one of (GEOG1001, GEOL1001, GEOL1002, GEOS1003, GEOS1903, ENVI1002, GEOL1902, GEOL1501) **Assessment:** 3 x web-based on-line reports (30% of total marks) 1 seminar presentation: field school (20% of total marks) 1 x 2 hour exam (50% of total marks) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, B Sc (Marine Science), UG Study Abroad Program.

This Unit of Study introduces core concepts about how the formation of ocean basins and their influence on climate govern the development of coasts and continental margins. These concepts provide a framework for understanding the geographic variation of coasts, continental shelves and sediment accumulations in the deep ocean. Ocean-basin evolution is explained in terms of movements within the Earth's interior and how these movements determine the geometry of ocean basins, and their alpine counterparts, which interact with the global circulation of the ocean and atmosphere. Affects of this interaction on energy regimes and hydrology are described in accounting for regional controls that govern supply and dispersal of sediments on continental margins and in ocean basins. These controls include effects on wave climates, wind-driven currents and tidal regimes. These controls also govern environmental conditions determining development of coral reefs and other ecosystems that play a key role in marine sedimentation. The Unit of Study systematically outlines how these factors have played out with climate change to produce the beaches, dunes, estuaries and deltas we see today, as well as the less familiar deposits hidden beneath the sea. The Unit also outlines how knowledge of responses to climate change in the past allow us to predict responses of coasts to accelerated climate change occurring now and in the future due to the industrial greenhouse effect. Overall therefore, the Unit aims to provide familiarity with fundamental phenomena central to the study of marine geoscience, introduced through process-oriented explanations. The Unit of Study is structured around problem-based project work, for which lectures provide the theoretical background.

*Textbooks*

Thurman, HV and Trujillo, AP. Introductory Oceanography. Pearson, Prentice-Hall, 10th Edition. 2004.

**GEOS2121****Environmental and Resource Management Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Phil McManus **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week, one fieldtrip. **Prerequisites:** 24 credit points of junior units of study, including one of: GEOS1001 or GEOS1002 or GEOS1003 or GEOS1901 or GEOS1902 or GEOS1903 or ECOP1001 or ECOP1002 or GEOL1002 or GEOL1902 or GEOL1501 **Prohibitions:** GEOG2421, GEOL2202, GEOS2921 **Assessment:** One 2 hour exam, one 2000 word essay, tutorial papers, one fieldtrip report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B E, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This unit of study explores cultural constructions of nature and resources, the evolution of environmental thought and the debates about sustainable development. It integrates environmental, economic, cultural and social considerations, with particular regard to water, mining, forestry and fishing industries in Australia and other countries. The unit includes a fieldtrip to the Hunter Valley to look at geological



and geographical issues pertaining to mines, wines and the thoroughbred breeding industries in this region. The unit of study enables students to learn about the economics of resource extraction and the social, cultural and environmental considerations that must be taken into account when developing and implementing environmental and resource management policies.

### GEOS2122

#### Urban Geography Science

**Credit points:** 6 **Teacher/Coordinator:** Prof John Connell, Dr Kurt Iveson  
**Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** 24 credit points of Junior units of study, including GEOS1001 or GEOS1002 or GEOS1003 or ECOP1001 or ECOP1002. **Prohibitions:** GEOS2922, GEOG2521 **Assessment:** One 2 hour exam, 2000 word essay, tutorial papers, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Int S, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

Cities are full of different people doing all sorts of different things. Developing an understanding of these processes necessitates attention to the geographical principles that underlie varied social practices (work, leisure, sport, music etc) and social categories such as ethnicity, gender, sexuality and race. We will investigate how different people perceive space and construct space, primarily in Western contexts and thereby seek to understand the cultural and political dimensions of everyday life in cities.

### GEOS2124

#### Fossils and Tectonics Science

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Dietmar Müller **Session:** Semester 2 **Classes:** Two 1 hour lectures plus one 3 hour practical each week. **Prerequisites:** 24 credit points of Junior units of study, including GEOS1003 or GEOS1903 or GEOL1002 or GEOL1902 or GEOL1501 **Prohibitions:** GEOS2924, GEOL2123, GEOL2124 **Assessment:** One 2 hour exam, practical reports, field report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B E, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

The unit aims to convey how fossils, stratigraphic and structural data are used together to determine ages and environments and the deformation history of rock layers. It covers an introduction to historical geology and the evolution of the major fossils groups. Methods of stratigraphic age determination include litho-, bio-, chemo-, magneto-stratigraphy, as well as radiometric geochronology and the stratigraphic characteristics of the main geological time intervals. Structural methods are focused on brittle deformation in the upper crust and sediments. Students will gain familiarity with the most important fossil groups and how to identify them, and with the most important types of faults and folds. The formation of fossil fuels such as coal, oil and gas will also be covered in an earth history and resource exploration context. The simultaneous use of fossils, stratigraphy and structure to unravel the geological history of a set of exposed rock layers is demonstrated during a field excursion to Yass.

*Textbooks*

Classnotes available in co-op bookshop

### GEOS2911

#### Natural Hazards: a GIS Approach Advanced Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Patrice Rey and others. **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour practical per week. **Prerequisites:** 24 credit points of junior units of study including a distinction in one of GEOS1001 or GEOS1002 or GEOS1003 or GEOS1901 or GEOS1902 or GEOS1903 or GEOG1001 or GEOG1002 or ENVI1002 or GEOL1001 or GEOL1002 or GEOL1902 or GEOL1501 **Prohibitions:** GEOG2411, GEOS2111 **Assessment:** One 2 hour exam, one assignment, practical report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

The geosciences provide an essential framework for understanding the environmental response to short- and long-term geologic, oceanic and atmospheric processes. This unit of study introduces students to a variety of natural phenomena that affect society with impact levels ranging from nuisance to disastrous. The discussion of each hazard focuses on: (1) the process mechanics, (2) hazards and risk, and (3) methods for mitigation. Geographic Information Systems (GIS) are used by scientists, planners, policy-makers and the insurance industry alike to address many issues relating to natural hazards. This unit of study will introduce students to the major concepts relating to GIS and provide practical experience in the application of GIS techniques to hazard mapping, risk assessment and mitigation.

### GEOS2912

#### Economic Geography of Global Dev. Adv. Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Bill Pritchard, A/Prof Phil Hirsch **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** 24 credit points of Junior units of study, including a distinction in one of: GEOS1001 or GEOS1901 or GEOS1002 or GEOS1902 or GEOS1003 or GEOS1903 or ECOP1001 or ECOP1002 or GEOG1001 or GEOG1002 or GEOL1002 or GEOL1902 or GEOL1501 **Prohibitions:** GEOS2112, GEOG2511 **Assessment:** One 2 hour exam, 2000 word essay, tutorial papers, practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Int S, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This is an Advanced version of GEOS2112. In this unit of study, students will be introduced to the sub-discipline of economic geography by way of debates on the spatial character of global development. We focus on questions relating to who are the winners and losers from contemporary patterns of global economic change. This includes the analysis of relevant conceptual approaches to these questions (including comparative advantage, global commodity chain theory, regionalism, economic governance etc), plus 'hands-on' examination of the key institutions (such as the WTO and ADB) driving these changes. In general, issues are tailored to themes being played out in Asia-Pacific countries. Students are expected to participate in a variety of practical class exercises throughout the semester, which will include presenting the fruits of independent research activities. This unit provides an especially relevant feeder-unit into GEOS3053/GEOS3054, the Asia-Pacific Field School.

### GEOS2913

#### Making the Australian Landscape Advanced Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Stephen Gale **Session:** Semester 1 **Classes:** Two - three 1 hour lectures and one - two 1 hour practicals per week. **Prerequisites:** 24 credit points of Junior units of study, including distinction in one of GEOS1002 or GEOS1003 or GEOS1902 or GEOS1903 or GEOG1001 or ENVI1002 or GEOL1001 or GEOL1002 or GEOL1902 **Prohibitions:** GEOS2113 **Assessment:** One 2 hour examination, practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, UG Study Abroad Program.

The shifts in the nature of the Earth's environment over time and the resultant changes in process regimes have had dramatic impacts on the way the Australian physical landscape has evolved. We consider here the effects of these changes on the broad pattern of the landscape, focusing particularly on slopes and soils. We follow this by investigating the environmental changes that have taken place since the end of the last glacial, the time when the continent's climates and environments first took on a recognisably modern form. We deal specifically with the impact of human activity on the Australian biophysical environment, emphasising both pre-European impacts and those changes that have taken place since European contact.

### GEOS2914

#### Volcanoes, Hot Rocks and Minerals Adv Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Derek Wyman Dr Patrice Rey Dr Geoff Clarke **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3

hour practical per week. **Prerequisites:** 24 credit points of Junior Science units of study and Distinction in one of GEOL1002 or GEOS1002 or ENVI1002 or GEOL1501 or GEOL1902 or GEOS1003 or GEOS1903. This requirement may be varied and students should consult the unit of study coordinator. **Prohibitions:** GEOL2001, GEOS2114 **Assessment:** One 2 hour exam, practical reports, field trip report, group presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B E, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This unit has the same objectives as GEOS2114 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. This unit may be taken as part of the BSc (Advanced).

*Textbooks*

No required textbook. Course notes available.

## GEOS2915

### Oceans, Coasts and Climate Change (Adv) Science

**Credit points:** 6 **Teacher/Coordinator:** Ass/Prof Dietmar Müller, Dr Peter Cowell **Session:** Semester 1 **Classes:** 26 x 1 hour lectures, 1 x 16 hour field school (2 days, Easter break), 2 x 1 hour workshops, 1 x 4 hour field work, 1 x 4 hour field work, 5 x 3 hours lab work **Prerequisites:** Distinction average in 48 credit points from Junior units of study **Prohibitions:** GEOS2115, MARS2006 **Assumed knowledge:** (GEOG1001, GEOL1001, GEOL1002, GEOS1003, GEOS1903, ENVI1002, GEOL1902, GEOL1501) **Assessment:** Field School Report (20%), Field and Lab report (45%), 2 web based online reports (15% of total marks), one 1 hour exam: subset of GEOS2115 (20% of total marks) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

This unit has the same objectives as GEOS2115 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students who elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives.

*Textbooks*

None: Online reading materials are provided via Fisher Library.

## GEOS2921

### Environmental & Resource Management Adv Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Phil McManus **Session:** Semester 2 **Classes:** Two 1 hour lectures, one 1 hour tutorial per week and one fieldtrip. **Prerequisites:** 24 credit points of Junior units of study, including a distinction in one of: GEOS1001 or GEOS1901 or GEOS1002 or GEOS1902 or GEOS1003 or GEOS1903 or ECOP1001 or ECOP1002 or GEOG1001 or GEOG1002 or GEOL1002 or GEOL1902 or GEOL1501. This requirement may be varied and students should consult the unit of study coordinator. **Prohibitions:** GEOG2421, GEOL2202, GEOS2121 **Assessment:** One 2 hour exam, one 2000 word essay, one 2500 word essay, one fieldtrip report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B E, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

Advanced students will complete the same core lecture materials as for GEOS2121 but are required to complete an essay in place of the regular tutorial reports prepared in GEOS2121.

## GEOS2922

### Urban Geography (Advanced) Science

**Credit points:** 6 **Teacher/Coordinator:** Prof John Connell, Dr Kurt Iveson **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** 24 credit points of Junior units of study, including a distinction in one of: GEOS1001 or GEOS1901 or GEOS1002 or GEOS 1902 or GEOS1003 or GEOS1903 or ECOP1001 or ECOP1002 or GEOG1001 or GEOG1002 **Prohibitions:** GEOS2122 **Assessment:** One 2 hour exam, 2000 word essay, tutorial papers, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Int S, B Res Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

Cities are full of different people doing all sorts of different things. Developing an understanding of these processes necessitates attention to the geographical principles that underlie varied social practices (work, leisure, sport, music, etc) and social categories such as ethnicity, gender, sexuality and race. This unit will examine how these process create and re-create urban landscapes. We will investigate how different people perceive space and construct space, primarily in western contexts, and thereby seek to understand the cultural and political dimensions of everyday life in cities.

## GEOS2924

### Fossils and Tectonics (Advanced) Science

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Dietmar Müller, Dr Patrice Rey, Prof Peter Hatherly **Session:** Semester 2 **Classes:** Two 1 hour lectures plus one 3 hour practical each week. **Prerequisites:** Distinction in GEOS1003 or Distinction average in 12 credit points of Junior Geoscience units (Geoscience is the disciplines of Geography, Geology and Geophysics) **Prohibitions:** GEOS2124, GEOL2123, GEOL2124 **Assessment:** One 2 hour exam, practical reports, field report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B E, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This unit has the same objectives as GEOS2124 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. This unit may be taken as part of the BSc (Advanced).

*Textbooks*

Classnotes by available in co-op bookshop

## GEOS3008

### Field Geology and Geophysics Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Patrice Rey, Prof Peter Hatherley **Session:** Semester 2 **Classes:** (weeks 1-7) 14 days of field work **Prerequisites:** 12 credit points of Intermediate GEOS units **Prohibitions:** GEOL3103, GEOS3908 **Assessment:** The field work will be assessed by written reports (up to 30 pages in total) and field exercises **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This unit is considered an essential component all Geology and Geophysics majors. All students will undertake a range of exercises, but concentrate on aspects that emphasise their chosen major: (1) field mapping and the analysis of geological objects in the field, in weakly to complexly deformed sedimentary and volcanic sequences; (2) field investigations of mineral deposits and their relationships to host rocks; and (3) the practical application of magnetic and electrical methods commonly employed in the search for mineral deposits. The field course complements other subject areas in Geology & Geophysics and will give students experience in the field identification of rocks and minerals, regional geology, stratigraphy, structure and rock relationships. Students will be required to pay the cost of hostel-style accommodation during field work, which may involve camping.

## GEOS3009

### Coastal Environments & Processes Science

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof. Gavin Birch, Dr Ana Vila-Concejo **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practical per week; weekend excursion. **Prerequisites:** (6 credit points of Intermediate Geoscience\* units) and (6 further credit points of Intermediate Geoscience or 6 credit points of Physics or Mathematics or Information Technology or Engineering units) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906)) **Prohibitions:** GEOS3909, MARS3003, MARS3105

**Assessment:** One 2 hour exam, two 1500 word reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: \* Geoscience is the disciplines of Geography, Geology and Geophysics.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

Australian coastal environments are dynamic systems responding to input sediments and processes as well as solid boundary conditions. The unit focuses on high-energy wave and wind dominated coastal systems that include the beach-surf zone, dunes, barriers, carbonate (coral reef) environments and their Holocene/Quaternary evolution. The regional impact of waves, tides, embayments, and other environmental parameters in controlling morphology and deposits are addressed. The practical program uses real data sets collected during recent research programs and during two field excursions which address issues

specifically relevant to Australia's coastline. The excursions include one 2 day weekend field trip and one 5 day field trip to the Great Barrier Reef in the mid semester break. *Note:* Students will incur costs in attending the excursions. Alternative

work will be provided if students cannot attend the 5 day field trip.

#### Textbooks

Recommended:

Short, A D (ed) Beach and Shoreface Morphodynamics. John Wiley & Sons, Chichester. 1999.

Course notes will be available from the Photocopy Centre.

### GEOS3014

#### GIS in Coastal Management Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Eleanor Bruce, Dr Peter Cowell. **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour practical per week. **Prerequisites:** MARS(2005 or 2905) and MARS(2006 or 2906), or 12 credit points of Intermediate Geoscience\* units, or (GEOS(2115 or 2915) and BIOL(2018 or 2918)) **Prohibitions:** GEOS3914, MARS3104. **Assessment:** One 2 hour exam, two project reports, quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: \* Geoscience is the disciplines of Geography, Geology and Geophysics.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

Coastal Management is about how scientific knowledge is used to support policy formulation and planning decisions in coastal environments. The course links coastal science to policy and practice in management of estuaries, beaches and the coastal ocean. The principles are exemplified through specific issues, such as coastal erosion, pollution, and impacts of climate-change. The issues are dealt with in terms of how things work in nature, and how the issues are handled through administrative mechanisms. These mechanisms involve planning strategies like Marine Protected Areas and setback limits on civil development in the coastal zone. At a practical level, the link between science and coastal management is given substance through development and use of 'decision-support models'. These models involve geocomputing methods that entail application of simulation models, remotely sensed information, and Geographic Information Systems (GIS). The course therefore includes both principles and experience in use of these methods to address coastal-management issues. (It thus also involves extensive use of computers.) Although the focus is on the coast, the principles and methods have broader relevance to environmental management in particular, and to problem-solving in general. That is, the course has vocational relevance in showing how science can be exploited to the benefit of society and nature conservation.

#### Textbooks

Burrough, PA and McDonnell, RA. Principles of Geographical Information Systems: Spatial information systems and geostatistics. Oxford University Press. Oxford. 1998.

### GEOS3015

#### Environmental Geomorphology

### Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Stephen Gale **Session:** Semester 2 **Classes:** Two 1 hour lectures, one 1 hour tutorial and one 2 hour practical per week or equivalent. **Prerequisites:** 24 credit points of Intermediate units, including 6 credit points of Intermediate Geography. **Prohibitions:** GEOS3915 **Assumed knowledge:** Intermediate geomorphology/ physical geography/ geology. **Assessment:** One 2 hour exam, practical & field reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

The first part of this unit deals with the effects of weathering on the physical and the built environment, and considers the relationship between soil and landforms. The second part investigates the environmental changes that have taken place since the end of the last glacial, the time when the world's climates and environments first took on a recognisably modern form. It deals specifically with changes to the Australian biophysical environment and will focus on human-environmental impacts, both under pre-European and post-contact conditions.

### GEOS3018

#### Rivers: Science, Policy and Management Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Mel Neave. **Session:** Semester 1 **Classes:** Two 1 hour lectures, one 1 hour tutorial, two 4 hour practicals per week; fieldwork **Prerequisites:** (24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906)) **Prohibitions:** GEOS3918 **Assessment:** One 2 hour exam, two 1500 word essays **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B L W Sc, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

The unit of study is concerned with understanding the functioning of river catchments from both natural science and social science perspectives, at a variety of scales. The catchment as a morphodynamic process-response system is addressed with an emphasis on the relationships between processes and landform entities. Similarly, relationships within social, economic, and political systems are explored within the catchment context, with particular emphasis on the interactions between the social system and bio-physical system. Empirical context for the unit will primarily be drawn from the Murray-Darling, Mekong, and Hawkesbury-Nepean catchments. Fieldwork in the latter is integral to the unit of study.

#### Textbooks

Gordon, et al. Stream Hydrology: An Introduction for Ecologists. 2004.

### GEOS3053

#### Asia-Pacific Field School-Assessment A Science

**Credit points:** 6 **Teacher/Coordinator:** Prof Phil Hirsch. **Session:** S1 Intensive **Classes:** Six weeks intensive. eight modules of 3 lectures each; ten full days' equivalent fieldwork; 20 hours small group work. **Prerequisites:** 6 credit points of Intermediate units of study in Geography. Department permission is required for enrolment. **Corequisites:** GEOS3054 **Prohibitions:** GEOG3201, GEOS3953 **Assessment:** One tutorial paper, one extended field report, one exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Students must contact the unit coordinator no later than the end of May in the year before taking this Unit.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Int S, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

The unit of study can be taken only in coincidence with GEOS3054 and with prior permission from the unit of study coordinator. It constitutes a Field School run over a six- week period in January-February, prior to the commencement of the semester. In 2010 the Field School will be held in China, Thailand, Laos, Cambodia and Viet Nam. In other years it may be held in the South Pacific (Vanuatu and Fiji). GEOS3053 will focus on the use, development and management of the Mekong River at various scales from village to international river basin. The Field School is run in close association with local universities, whose staff and students participate in some

components of the course. Places are limited, and students interested in the 2010 Field School should indicate expression of interest to philip.hirsch@usyd.edu.au before the end of May 2009.

### GEOS3054

#### Asia-Pacific Field School-Assessment B

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Prof Phil Hirsch. **Session:** S1 Intensive **Classes:** Six weeks intensive. eight modules of 3 lectures each; ten full days' equivalent fieldwork; 20 hours small group work **Prerequisites:** 6 credit points of Intermediate units of study in Geography. Department permission required for enrolment. **Corequisites:** GEOS3053 **Prohibitions:** GEOG3201, GEOS3954 **Assessment:** One tutorial paper, one extended field report, one exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Students must contact the unit coordinator no later than the end of May in the year before taking this Unit.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Int S, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

The unit of study can be taken only in coincidence with GEOS3053 and with prior permission from the unit of study coordinator. It constitutes a Field School run over a six-week period in January-February, prior to the commencement of the semester. In 2010 the Field School will be held in China, Thailand, Laos, Cambodia and Viet Nam. In other years it may be held in the South Pacific (Vanuatu and Fiji). GEOS3054 will focus on economic development and regional intergration in the Greater Mekong Subregion and their social & environmental implications at various scales from village to transnational region. It is run in close association with local universities, whose staff and students participate in some components of the course. Places are limited, and students interested in the 2010 Field School should indicate expression of interest to philip.hirsch@usyd.edu.au before the end of May 2009.

### GEOS3101

#### Earth's Structure and Evolution

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Patrice Rey, Prof Geoff Clarke **Session:** Semester 1 **Classes:** two 1 hour lectures and one 3 hour tutorial/practical class per week. **Prerequisites:** GEOS(2114 or 2914) and GEOS(2124 or 2924); or 24 credit points of Intermediate Science units of study and GEOS1003 with permission of the Head of School **Prohibitions:** GEOS(3801 and 3003 and 3903 and 3004 and 3904 and 3006 and 3906 and 3017 and 3917) **Assumed knowledge:** GEOS2114, GEOS2124 **Assessment:** one 2 hour exam, practical and field reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

The Earth's crust and upper mantle, or lithosphere, are a consequence of dynamic and thermal processes operating since the beginning of the Archaean. This unit focuses on information and techniques that enable an understanding of these processes. The main topics presented in this unit include: the formation and evolution of oceanic and continental lithosphere; structural deformation, magmatism and metamorphism at plate boundaries; and the mesoscopic and microscopic analysis of igneous and metamorphic rocks. Practical classes are designed to enable students to competently and independently identify the common crystalline rocks in hand-specimen; and to gather and interpret the structural field data which enables the determination of the structural style and deformational history presented in particular tectonic settings. The concepts and content presented in this unit are generally considered to be essential knowledge for geologists and geophysicists and provide a conceptual framework for their professional practice. Students wishing to specialise in the field and become professional geologists will normally need to expand upon the knowledge gained from this unit and either complete an honours project or progress to postgraduate coursework in this field.

### GEOS3102

#### Global Energy and Resources

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Derek Wyman and A/Prof Gavin Birch **Session:** Semester 1 **Classes:** two 1 hour lectures and one 2 hour tutorial/practicals per week. **Prerequisites:** GEOS(2114 or 2914) and GEOS(2124 or 2924); or 24 credit points of Intermediate Science units of study and GEOS1003 with permission of the Head of School **Prohibitions:** GEOS3802, 3003, 3903, 3004, 3904, 3006, 3906, 3017 and 3917 **Assumed knowledge:** GEOS 2114 and GEOS2124 **Assessment:** one 2 hour exam, practical and field reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

This unit examines the processes that form energy and mineral resources, outlines the characteristics of major fossil fuel and metal ore deposits and introduces the principles that underpin exploration strategies used to discover and develop geological resources. The unit will focus on a variety of topics including: coal; petroleum formation and migration, hydrocarbon traps and maturation; precious metal, base metal and gemstone deposit types; and exploration strategies. An integrated approach will relate tectonic processes through time to the formation of fossil fuel and mineral provinces. Practical exercises will introduce students to the techniques used to identify economically viable geological resources using a variety of exercises based on actual examples of resource exploration drawn from both the petroleum and minerals industry. An excursion to active and historic mining sites in NSW will complement the practical studies.

### GEOS3103

#### Environmental & Sedimentary Geology

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Tom Hubble and Dr Adriana Dutkiewicz **Session:** Semester 2 **Classes:** two 1 hour lectures and one 3 hour tutorial/practical class per week. **Prerequisites:** GEOS(2124 or 2924) and GEOS(2111 or 2911 or 2114 or 2914 or 2113 or 2913); or GEOS(1003 or 1903) and 24 credit points of intermediate Science units of study with permission of the Head of School **Prohibitions:** GEOS3803 **Assumed knowledge:** GEOS1003, GEOS2124 **Assessment:** one 2 hour exam, practical and field reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

Sediments and sedimentary rocks cover most of the Earth's surface, record much of the Earth's geological history and host important resources such as petroleum, coal, water and mineral ores. The aim of this unit is to provide students with the skills required to examine, describe and interpret sediments and sedimentary rocks for a variety of different purposes. Specific focuses of the unit will be on identifying the recent or ancient environment in which sedimentary materials were deposited; the techniques used to identify anthropogenic pollution of modern sediments; and an assessment of natural hazards commonly associated with the formation of sediment bodies such as landslides and deep marine slides. On completion of this unit students will be familiar with the natural processes that form, modify, pollute and lithify sediments and the recognition and management of the environmental hazards associated with sediment bodies. A variety of sedimentary settings will be examined including fluvial, alluvial, lacustrine, marginal marine and deep marine environments. The various controls on the sedimentary record such as climate and sea-level change, as well as diagenesis and geochemical cycles will also be discussed. Practical exercises will require students to examine global datasets, determine the properties of sedimentary rocks, as well as collect and interpret their own field data. The course is relevant to students interested in petroleum or mineral exploration, environmental and engineering geology as well as marine geoscience.

##### Textbooks

Course notes will be available from the Copy Centre and an appropriate set of reference texts will be placed on special reserve in the library.

### GEOS3104

#### Geophysical Methods

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Prof Peter Hatherly and A/Prof Dietmar Mueller **Session:** Semester 2 **Classes:** two 1 hour lectures and one 3 hour tutorial/practical class per week. **Prerequisites:** 24 credit points of intermediate Science units of study or (GEOS(2114, 2914) and GEOS(2124, 2924))

**Prohibitions:** GEOS3804, GEOS3003, GEOS 3903, GEOS3006, GEOS3906, GEOS3016, GEOS3916, GEOS3017, GEOS3917 **Assumed knowledge:** GEOS2114 and GEOS2124 **Assessment:** one 2 hour exam, practical and field reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, B Sc (Marine Science), UG Study Abroad Program.

This unit introduces the common geophysical methods used to investigate the interior of the Earth and focuses on the techniques used for mineral and hydrocarbon exploration and production. Applications of these methods to problems in global geophysics will also be examined with an emphasis on their use in marine and terrestrial environments. On completion of this unit students will have developed a thorough understanding of the commonly used geophysical methods and will be able to evaluate and critically assess most forms of geophysical data as well as be able to actively participate in geophysical explorations. The unit is aimed at students with interests in land-based and marine resource exploration, plate tectonics, internal earth structure, and near-surface investigations of groundwater resources and environmental pollution. Students wishing to specialise in the field and become professional geophysicists will normally need to expand upon the geophysics knowledge gained from this unit and either complete an honours project or progress to postgraduate coursework in this field.

#### Textbooks

Class notes will be supplied through the University copy Centre. Geophysical textbooks held in the library provide adequate additional information that supports the class notes.

### GEOS3513

#### Regional Development and Environment Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Bill Pritchard; Dr Timohir Ancew **Session:** Semester 1 **Classes:** 2 hours of lectures per week and 2 hours of tutorials/practicals per week **Prerequisites:** 24 credit points of intermediate and/or senior units of study including 6 credit points of Intermediate units of study in Geography. **Prohibitions:** ENVI3113, GEOS3511, GEOS3911, GEOS3913 **Assessment:** Two in-class tests, one 1,500 word essay, one GIS report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Sc, B Sc (Environmental), UG Study Abroad Program.

This unit of study acquaints students with debates and tools associated with regional development and the economic analysis of environmental issues. It provides a useful preparation for professional employment in the field of regional development, environmental policy and management, and is relevant for students interested in economic and social issues in regional Australia. Co-taught by a geographer and an economist, the unit addresses four key areas of relevance: (i) regional development theory and practice; (ii) the economics of efficiently utilising and managing the environment; (iii) debates on regional development in Australia (including consideration of the farm sector, Indigenous communities and environmental sustainability), and (iv) the use of GIS to analyse population census data. The unit requires no prior knowledge of economic theory or GIS software.

### GEOS3522

#### Cities and Citizenship Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Kurt Iveson **Session:** Semester 2 **Classes:** One 2 hour lecture, one 1 hour tutorial and one 2 hour practical per week. **Prerequisites:** 6 credit points of intermediate geography. **Prohibitions:** GEOG3203, GEOS3922 **Assessment:** One 2 hour exam, one 2000 word essay, one 3000 word practical report, tutorial participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Int S, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

What does it mean to be a 'citizen', and what has this got to do with cities? This unit explores the urban dimension of contests over the meaning of citizenship. The first half will consider historical configurations of urban citizenship, from the Greek city-states of antiquity through to imperial, colonial and industrial cities. The second half will then focus on contemporary globalising cities. A series of

case studies will consider the production of new configurations of urban citizenship across a range of cities in the world, looking at issues such as: asylum-seekers and the city; children and the city; homelessness in the city; 'culture jamming' and new forms of urban protest; trans-national social movements. The module will involve a substantial practical component, encouraging students to draw on their own experiences of city life to reflect on the meanings of citizenship.

### GEOS3551

#### Geoscience Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOS3552

#### Geoscience Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOS3553

#### Geoscience Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOS3554

#### Geoscience Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### GEOS3801

#### Earth's Structure and Evolutions (Adv) Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Patrice Rey, Prof Geoff Clarke **Session:** Semester 1 **Classes:** two 1 hour lectures and one 3 hour tutorial/practical class per week. **Prerequisites:** Distinctions in GEOS(2114 or 2914) and GEOS(2124 or 2924); Students who have a credit average for all Geoscience units may enrol in this unit with the permission of the Head of School

**Prohibitions:** GEOS3101, GEOS3003, GEOS3903, GEOS3004, GEOS3904, GEOS3006, GEOS3906, GEOS3017 and GEOS3917 **Assumed knowledge:** GEOS2114, GEOS2124 **Assessment:** one 2 hour exam, practical and field reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

This unit has the same objectives as GEOS3101 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. Specific details for this unit of study will be announced in meetings with students in week 1 of semester.

## GEOS3802

### Global Energy and Resources (Adv) Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Derek Wyman and A/Prof Gavin Birch **Session:** Semester 1 **Classes:** two 1 hour lectures and one 3 hour tutorial/practical class per week **Prerequisites:** Distinction in GEOS(2114 or 2914) and GEOS(2124 or 2924); Students who have a credit average for all Geoscience units may enrol in this unit with the permission of the Head of School. **Prohibitions:** GEOS3102, GEOS3003, GEOS3903, GEOS3004, GEOS3904, GEOS3006, GEOS3906, GEOS3017, and GEOS3917 **Assumed knowledge:** GEOS2114 and GEOS2124 **Assessment:** one 2 hour exam, practical and field reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

This unit has the same objectives as GEOS3102 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. Specific details for this unit of study will be announced in meetings with students in week 1 of semester.

## GEOS3803

### Environmental & Sedimentary Geology (Adv) Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Tom Hubble and Dr Adriana Dutkiewicz **Session:** Semester 2 **Classes:** two 1 hour lectures and one 3 hour tutorial/practical class per week **Prerequisites:** Distinctions in GEOS(2114 or 2914) and GEOS(2124 or 2924); Students who have a credit average for all Geoscience units may enrol in this unit with permission of the Head of School **Prohibitions:** GEOS3103 **Assumed knowledge:** GEOS1003, GEOS2124 **Assessment:** one 2 hour exam, practical and field reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

This unit has the same objectives as GEOS3103 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. Specific details for this unit of study will be announced in meetings with students in week 1 of semester.

#### Textbooks

Course notes will be available from the copy centre and appropriate set of reference texts will be placed on special reserve in the library.

## GEOS3804

### Geophysical Methods (Advanced) Science

**Credit points:** 6 **Teacher/Coordinator:** Prof Peter Hatherly and A/Prof Dietmar Müller **Session:** Semester 2 **Classes:** two 1 hour lectures and one 3 hour tutorial/practical class per week **Prerequisites:** Distinction in GEOS2114 or GEOS2914 and GEOS2124 or GEOS2924; Students who have a credit average for all Geoscience units may enrol in this unit with the permission of the Head of School **Prohibitions:** GEOS3104, GEOS3003, GEOS3903, GEOS3006, GEOS3906, GEOS3016, GEOS3916, GEOS3017, GEOS3917 **Assessment:** one 2 hour exam, practical and field reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

This unit has the same objectives as GEOS3104 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. Specific details for this unit of study will be announced in meetings with students in week 1 of semester.

#### Textbooks

Class notes will be supplied through the University Copy Centre. Geophysical textbooks held in the library provide adequate additional information that supports the class notes.

## GEOS3908

### Field Geology and Geophysics (Advanced) Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Patrice Rey Prof Peter Hatherly **Session:** Semester 2 **Classes:** 14 days of fieldwork. **Prerequisites:** Distinction average in 12 credit points of Intermediate GEOS units. Department permission required for enrolment. **Prohibitions:** GEOS3008 **Assessment:** Written reports and field exercises **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: A Distinction average in prior Geology units of study is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.*

**Associated degrees:** B Agr Ec, B Sc, B Sc (Environmental), B Sc (Marine Science), UG Study Abroad Program.

This unit has the same objectives as GEOS3008 and is suitable for students who wish to pursue aspects of the subject in greater depth. Entry is restricted and selection is made from the applicants on the basis of their performance to date. Students that elect to take this unit will participate in alternatives to some aspects of the standard unit and will be required to pursue independent work to meet unit objectives. Specific details for this unit of study will be announced in meetings with students in week prior to the field camp which is usually in the break between semester 1 and 2. This unit of study may be taken as part of the BSc (Advanced).

## GEOS3909

### Coastal Environments and Processes (Adv) Science

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Gavin Birch Dr Ana Vila Concejo **Session:** Semester 1 **Classes:** Three 1 hour lectures, two 3 hour practicals per week, fieldwork. **Prerequisites:** Distinction average in ((6 credit points of Intermediate Geoscience\* units) and (6 further credit points of Intermediate Geoscience or 6 credit points of Physics, Mathematics, Information Technology or Engineering units) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906))) **Prohibitions:** GEOS3009, MARS3003, MARS3105 **Assessment:** One 2 hour exam, two 1500 word reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: A distinction average in prior Geography or Geology units is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

Advanced students will complete the same core lecture material as for GEOS3009 but will carry out more challenging projects, practicals, assignments and tutorials.

## GEOS3913

### Regional Development & Environment (Adv) Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Bill Pritchard, Dr Timohir Anceev **Session:** Semester 1 **Classes:** 2 hours of lectures per week and 2 hours of tutorials/practicals per week. **Prerequisites:** 24 credit points of intermediate and/or senior units of study including 6 credit points of intermediate units of study in Geography with a grade of Credit or better **Prohibitions:** ENVI3113, GEOS3513, GEOS3911 **Assessment:** In-class tests, essay, report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Sc, B Sc (Environmental), UG Study Abroad Program.

This unit of study is a more advanced version of GEOS3513. It includes more challenging assessment tasks.

### GEOS3914

#### GIS in Coastal Management (Advanced)

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Peter Cowell & Dr Eleanor Bruce. **Session:** Semester 2 **Classes:** Two hours of lectures, one 3 hour practical per week comprising one 1 hour practical demonstration and one 2 hour practical. **Prerequisites:** Distinction average in 12 credit points of intermediate geography or geology units or GEOS (2115 or 2915) and BIOL (2018 or 2918) Department permission required for enrolment. **Prohibitions:** GEOS3014, MARS3104 **Assessment:** One 2 hour exam, project work, two practical-based project reports, fortnightly progress quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: A distinction average in prior Geography, Geology or Marine Science units of study is normally required for admission. This requirement may be varied and students should consult the unit of study coordinator.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

Advanced students will complete the same core lecture material as for GEOS3014 but will carry out more challenging projects, practicals, assignments and tutorials.

### GEOS3915

#### Environmental Geomorphology (Advanced)

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Stephen Gale. **Session:** Semester 2 **Classes:** 3 hours lectures, 6 hours practical per week, fieldwork. **Prerequisites:** Distinction average in 24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study. **Prohibitions:** GEOS3015 **Assessment:** One 2 hour exam, two 1500 word essays, prac and field reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

Advanced students will complete the same core lecture material as for GEOS3015, but will carry out more challenging projects, practicals, and field reports.

### GEOS3918

#### Rivers: Science and Management (Adv)

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Melissa Neave **Session:** Semester 1 **Classes:** Two 1 hour lecture, one 1 hour tutorial, two 4 hour practicals per week, fieldwork. **Prerequisites:** Distinction average in (24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study) or ((MARS2005 or MARS2905) and (MARS2006 or MARS2906)) **Prohibitions:** GEOS3018 **Assessment:** One 2 hour exam, two 1500 word essays. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

Advanced students will complete the same core lecture material as for GEOS3018, but will carry out more challenging projects, practicals, assignments and tutorials.

### GEOS3922

#### Cities and Citizenship (Advanced)

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Kurt Iveson **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** Distinction average in 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. **Prohibitions:** GEOS3522 **Assessment:** One 2 hour exam; e-Sim assignments, tutorial papers. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Int S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

Advanced students will complete the same core lecture material as for GEOS3022, but will carry out more challenging projects, assignments and tutorials.

### GEOS3953

#### Asia-Pacific Field School-A (Adv)

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Prof Phil Hirsch **Session:** S1 Intensive **Classes:** Six weeks intensive. eight modules of 3 lectures each; 10 full days' equivalent fieldwork; 20 hours small group work **Prerequisites:** Distinction average in 24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study. Department permission required for enrolment. **Corequisites:** GEOS3954 **Prohibitions:** GEOS3053 **Assessment:** One tutorial paper, one extended field report, one exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Students must contact the unit coordinator no later than the end of May in the year before taking this Unit.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Int S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

The unit of study can be taken only in coincidence with GEOS 3954 and with prior permission from the unit of study coordinator. It constitutes a Field School run over a six- week period in January-February, prior to the commencement of the semester. In 2010 the Field School will be held in China, Thailand, Laos, Cambodia and Viet Nam. In other years it may be held in the South Pacific (Vanuatu and Fiji). GEOS3953 will focus on the use, development and management of the Mekong River at various scales from village to international river basin. The Field School is run in close association with local universities, whose staff and students participate in some components of the course. Places are limited, and students interested in the 2010 Field School should indicate expression of interest to philip.hirsch@usyd.edu.au before the end of May 2009. Advanced students will carryout more challenging fieldwork reports.

### GEOS3954

#### Asia-Pacific Field School-B (Adv)

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Prof Phil Hirsch. **Session:** S1 Intensive **Classes:** six weeks intensive. eight modules of 3 lectures each; 10 full days' equivalent fieldwork; 20 hours small group work **Prerequisites:** Distinction average in 24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study. Department permission required for enrolment. **Corequisites:** GEOS3953 **Prohibitions:** GEOS3054 **Assessment:** One tutorial paper, one extended field report, one exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Students must contact the unit coordinator no later than the end of May in the year before taking this Unit.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Int S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

The unit of study can be taken only in coincidence with GEOS 3953 and with prior permission from the unit of study coordinator. It constitutes a Field School run over a six- week period in January-February, prior to the commencement of the semester. In 2010 the Field School will be held in China, Thailand, Laos, Cambodia and Viet Nam. In other years it may be held in the South Pacific (Vanuatu and Fiji). GEOS3954 will focus on the use, development and management of the Mekong River at various scales from village to international river basin. The Field School is run in close association with local universities, whose staff and students participate in some components of the course. Places are limited, and students interested in the 2010 Field School should indicate expression of interest to philip.hirsch@usyd.edu.au before the end of May 2009. Advanced students will carryout more challenging fieldwork reports.

### GOVT1001

#### Government Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*



**Associated degrees:** B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

## GOVT1101

### Australian Politics Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Rodney Smith (S1) **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week (may include a combination of lectures and tutorials) **Assessment:** Essay; Exam; Participation; Paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit introduces students to debates about the nature and limits of Australian democracy, to the major institutions of Australian politics, and to the distribution of power in Australian society. Major institutions and forces such as parliament, executive government, the federal system, political parties and the media are examined as arenas of power, conflict and consensus. Who rules? How? Which groups are excluded?

## GOVT1105

### Geopolitics Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Diarmuid Maguire **Session:** Semester 2 **Classes:** 3 hours per week (may include a combination of lectures and tutorials) **Assessment:** Critical reading and bibliographic assignments; essay; exam; tutorial participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit will examine how the contemporary international political order has emerged by focusing upon the interplay of diplomatic and strategic issues in the post-war world. It will begin with an analysis of the Cold War and its origins, tracing the development of Soviet-American rivalry, its manifestations in Europe, Asia, Africa and Latin America, and the different ways in which that rivalry was played out. The collapse of the Soviet Union as both a superpower and a state and the disappearance of the communist bloc will be analysed, before surveying the post-Cold War international scene. Among the issues reviewed in the post-Cold War era will be the question of US hegemony and unilateralism vs. multilateralism, nuclear proliferation, the continuing tension between the first and the third worlds, questions of civilisational conflict, non-state actors and terrorism, democratisation, and regional conflict.

*Textbooks*

TBA

## GOVT1202

### World Politics Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Gil Merom (S1); Dr Susan Park (S2) **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week (may include a combination of lectures and tutorials) **Assessment:** Assignment; Essay; Exam; Participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit introduces the core content of the field of international relations. The first part of the unit presents the realist, liberal, Marxist and constructivist paradigms of international relations. The second part of the unit discusses the key actors and processes political scientists define in the field, including the state, decision makers, bureaucratic organisations, and classes. The final part of the unit focuses on international security, international political economy, and global problems.

## GOVT1881

### Government Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

## GOVT1882

### Government Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

## GOVT2114

### The Australian Political Party System Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hours per week (may include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2104 **Assessment:** exam, essay, tutorial presentation, TBC **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

The unit examines the Australian party system, including colonial-era pre-party politics, the development of major parties (Labor, Liberal and National) and minor parties (Democrats, Greens, One Nation etc), parties and ideology, parties and social movements, internal party politics, parties and the law, parties and elections, parties and parliamentary politics, and parties and public policy. Emphasis is placed on how theoretical and comparative models of political parties help to explain Australian party politics.

*Textbooks*

to be advised

## GOVT2116

### Australian Foreign and Defence Policy Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Bob Howard **Session:** Semester 1 **Classes:** 3 hours per week (may include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2106 **Assessment:** Essay; tutorial presentation; group image; exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit examines Australia's external relations through its foreign and defence policies since Federation. It will begin with an overview of the theoretical tools for studying foreign policy, policy making and the institutions of Australia's external relations, followed by an historical overview of 'Continuity and Change' in Australia's foreign and defence policies over the relevant period. Key regional and international relationships will be analysed, as will Australia's policy response to contemporary global issues such as human rights; the War on Terror; the environment; energy security and nuclear affairs. The unit will conclude with a discussion on identity and Australia's place in the world today.

*Textbooks*

to be advised

## GOVT2221

### Politics of International Economic Rels Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr John Mikler **Session:** Semester 1 **Classes:** 3 hrs per week (may include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2201 **Assessment:** Exam; essay; tutorial presentation; tutorial participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit provides an overview of four major theoretical approaches to international political economy and how these apply to



understanding the practice of international economic relations throughout the developing world. These theories are: economic nationalism, liberalism, neo-Marxism and poststructuralism. The unit analyses the theory and practice of economic relations by and between states, by applying each of the four main theories to developing country regions. In this way students will also become acquainted with the theory and practice of economic development.

#### Textbooks

Unit reader will be available at the University Copy Centre

### GOVT2225

#### International Security in 21st Century

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Gil Merom **Session:** Semester 1 **Classes:** 3 hrs per week (may include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2205 **Assessment:** Exam, Participation and Essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit introduces the theoretical foundations, essential concepts and central issues in the field of international security. It provides students with analytical tools to understand and participate in current debates concerning security and threats. The first part of the unit provides an introduction to the theoretical interpretations of international security. The second part discusses security phenomena, problems and strategies, including the coercive use of force, deterrence, guerrilla and counterinsurgency, nuclear stability, proliferation of weapons of mass destruction, crisis management, arms races and disarmament, security cooperation and security regimes. The discussion in this part includes a critical review of the dilemmas, strategies, and solutions in each of the issue areas.

#### Textbooks

to be advised

### GOVT2226

#### International Organisations

##### Arts

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hrs per week (may include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2206 **Assessment:** Policy paper; exam; participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

International Organisations is a survey of both the range of institutions created in response to various economic, security and environmental challenges faced by states and other actors in the global system, and some of the most prominent theories aimed at explaining them. The course will be arranged around a series of case studies of particular issue areas, from international peacekeeping, to the regulation of multinational corporations, and the struggle to slow global warming. More broadly, the course will question whether international organisations are instruments of or rivals to sovereign states, and whether they reflect the hegemony of the West, solutions to international collective problems, or agents of new transnational communities.

### GOVT2228

#### Environmental Politics

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Charlotte Epstein **Session:** Semester 2 **Classes:** 3 hours per week (may include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2208 **Assessment:** Essay; final exam; participation; critical reading notebook **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

Environmental issues pose increasingly difficult challenges to our societies. What is the nature of these challenges? Where have they come from? How have political institutions adapted to them, at the national and international levels? What further changes might be necessary to better meet them? How might these changes come about? What effects might they have on the future of politics? This unit of study will engage these kinds of questions as an introduction to some theoretical and practical dimensions of environmental politics.

### GOVT2331

#### Social Change and Politics

##### Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hrs per week (may include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2301 **Assessment:** Web site review; research report; in-class test; tutorial participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit examines how processes of social change are shaped by a variety of non-institutionalised political actors, including individuals, interest groups and social movements. It will answer questions such as: What is political participation? How and why do people act politically in Australia? How does participation both shape policy agendas and lead to societal change? The main conceptual topics include: political participation, political socialisation, civil society, interest groups and social movements. This conceptual framework will be used to examine the strategic repertoires adopted by movements and groups in society, including: young people, environmental movements, identity movements, the labour movement, anti-corporate globalisation action and community-based politics.

### GOVT2336

#### Gender and Human Rights

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Louise Chappell **Session:** Semester 1 **Classes:** 3 hrs per week (may include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2306 **Assessment:** critical analysis (1500 words); group report and presentation; and take home test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit offers a gender perspective on the central activists, institutions and issues involved in advancing international human rights norms. It critically analyzes the role of state and international political institutions in shaping human rights, and focuses particularly on the ways in which women's rights have tended to be ignored in this process. Students will consider the role of transnational feminist actors in challenging mainstream conceptions of human rights and in shaping and enforcing international human rights instruments including the Convention on the Elimination of All Forms of Discrimination against Women and the International Criminal Court. Attention will be given to the experiences of women in western and non-western countries in accessing rights and assess the role that religion and culture play in this process. The gender dimensions of specific rights issues relating to war and conflict, refugee status and trafficking will also be discussed.

#### Textbooks

to be advised

### GOVT2440

#### Globalisation and National Governance

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Linda Weiss **Session:** Semester 2 **Classes:** 3 hrs per week (may include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2410 **Assessment:** Research paper; mid-semester test; participation; exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

It is often argued that we are entering a new era in which the existence of nation-states and the power of national governments to manage economic and social change are rapidly being eroded by globalisation. This unit will appraise the debates about the impact of globalisation and state power erosion. It will pay particular attention to different forms of global integration and to the interplay between domestic institutions and international pressures. There will be scope for comparing national responses to the changing global economic system.

### GOVT2445

#### American Politics and Foreign Policy

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Ben Goldsmith **Session:** Semester 1 **Classes:** 3 hours per week (may include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2405 **Assessment:** Tutorial papers; essay; exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit will be an overview of the American political system and the formulation of foreign policy. It will cover the major Federal political institutions: the Presidency, the Congress, and the Supreme Court. The unit will consider how foreign policy is made through the interaction of these institutions and with other elements of civil society. Finally, it will examine the outcome of this process - US foreign policy itself - with special emphasis on the post-Cold War period. We will seek to answer two key questions: (a) what is the influence of domestic politics on US foreign policy; and (b) how does the US system cope with the apparent contradictions between its ideals and the imperatives of global power?

*Textbooks*

Text to be advised

### GOVT2552

#### Policy Analysis

##### Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hours per week (may include a combination of lectures and tutorials) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2502 **Assessment:** Reading summaries; case study; participation; test. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit examines the nature of public policy and the processes which shape its content. Most of these processes apply across nation states, although they typically manifest themselves in nation-specific ways. First, the unit outlines the nature of public policy - dealing with such matters as definitions of policy and approaches to analysing public policy. These include the traditional 'policy cycle' approach, as well as alternative models based on rational choice, the roles of groups and networks, the nature of institutions and the power of socio-economic interests. Second, it examines the main building blocks of the policy process: actors, institutions, and policy instruments. Third, it examines key stages of the public policy process: notably problem definition, agenda setting, policy formation, decision making, implementation and evaluation. Examples are drawn from Australia and a range of countries throughout the world. Fourth, it examines policy-making in extreme, 'crisis' situations. Fifth, it turns its attention to Australian policy processes, focusing specifically on the areas of economic policy and indigenous affairs. Finally, it takes an overview of public policy processes in a global world, focusing on national policy-making autonomy in the context of globalisation, as well as

challenges for the future. The unit is sufficiently flexible in terms of assessment, allowing students to concentrate on areas of interest.

*Textbooks*

to be advised

### GOVT2557

#### Public Sector Management

##### Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hours per week (may include one or more of the following: lectures, seminars, tutorials or workshops) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2507 **Assessment:** Reading summaries; case study; participation; test. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

The organisation and structure of the public sector in Australia and other democracies has been transformed in recent years. This unit traces the outlines of this transformation and the debates that have accompanied it. Where should privatisation stop? How much of government can be "outsourced" or contracted out? Is permanent employment in the public service a relic of the past? Are there special ethical and public accountability requirements of public management that make it essentially different from the private sector? Topics include public sector human resource and financial management practices; relations between public organisations and the public; corporate governance practices in the public sector; commercialisation, corporatisation and privatisation; and parliamentary oversight and administrative law and their implications for the management process.

### GOVT2558

#### Government, Business and Society

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr John Mikler **Session:** Semester 1 **Classes:** 3 hrs per week (may include one or more of the following: lectures, seminars, tutorials or workshops) **Prerequisites:** 4 junior units of study **Assessment:** Exam; essay; case study; tutorial participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program.

Modern businesses have new roles and responsibilities within the global economy and society. Understanding the relationships between government, business and society is therefore essential for students undertaking contemporary studies in the social sciences. This unit will provide students with conceptual and practical tools that they can use to examine the role of business in society, to explore the ways in which public policy shapes and constrains business decision-making and to understand the social and ethical responsibilities of business. The unit will introduce students to the political, social, regulatory, environmental and technological challenges facing businesses and the impact of the institutional diversity of organisations. The unit will draw upon Australian and international case study material.

*Textbooks*

Unit reader available at the University Copy Centre

### GOVT2611

#### Capitalism and Democracy in East Asia

##### Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hrs per week (may include one or more of the following: lectures, seminars, tutorials or workshops) **Prerequisites:** Two GOVT1000 level units of study **Prohibitions:** GOVT2411 **Assessment:** Essay, journal, exam, participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit will shed light on the springs of change in politics and economics and their intersections in East Asia, which includes South Korea, Japan, Taiwan, China, Hong Kong, and Singapore. The unit examines the political and economic transformation in the region. Among the major issues considered are: Are East Asia's political institutions distinctive? How does economic change affect political

power and the state? Will democratisation and globalisation undermine the distinctive traditions of the region?

*Textbooks*  
to be advised

### GOVT2774

#### Islam: Democracy, Development and Gender Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Lily Rahim **Session:** Semester 2 **Classes:** 3 hrs per week (may include one or more of the following: lectures, seminars, tutorials or workshops) **Prerequisites:** Two GOVT1000 level units of study **Assessment:** Essay; tutorial presentation; mid-semester exam; end of semester exam; tutorial participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit will focus on progressive and reformist interpretations of Islam propagated in the periphery (non-Middle Eastern regions) of the Muslim World where the vast majority of Muslims reside. In particular, the unit will investigate the way in which reformist interpretations of Islam can provide Muslims with the framework to constructively address the myriad socio-economic and political challenges confronting them and the wider global community. Towards these ends, the theological discourses, socio-economic initiatives and political activities of progressive Muslim reformers, feminists and organisations in the Muslim periphery of Southeast Asia, North America and Europe will be closely examined. An important theme that will be another focus of analysis is the discursive contest between the forces of progressive and conservative Islam.

### GOVT2801

#### Applied International Studies Arts

**Credit points:** 6 **Teacher/Coordinator:** To be advised **Session:** Semester 2 **Classes:** Three hour seminar per week **Prerequisites:** Four core junior BIntS units of study (GOVT1105, GOVT1202, ECOP1001, ECOP1003) **Assessment:** Short papers; simulation participation; policy brief; media release **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This unit is only available to students enrolled in the Bachelor of International Studies*

**Associated degrees:** B Int S, UG Study Abroad Program.

This senior core unit is designed to build on the junior core units of the Bachelor of International Studies and to develop a deeper level of knowledge of international politics and economics, and to apply this knowledge to real-life problems in diverse policy environments. The unit introduces students to the relationship between international law and international politics and economics, and the fields of international law that are directly relevant to the unit's simulation topics. Students will apply theory to practice by taking part in simulations on key global 'Issues of the Day'. These will focus on the environment, human rights and humanitarian intervention, terrorism and international security, trade and development. Participation in the simulations will require students to engage in economic and political policy-making; analysis of input and output issues such as state and organisational strategies; negotiations; and managing diverse international teams. Skills developed will include decision-making under conditions of uncertainty; information literacy; communication and decision-making in small and large groups; and the writing of press releases and briefing documents.

*Textbooks*  
to be advised

### GOVT2802

#### International Studies Practicum Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Lyn Carson **Session:** Semester 2 **Classes:** This unit is taught online **Prerequisites:** Four core junior BIntS units of study (GOVT1105, GOVT1202, ECOP1001, ECOP1003) **Assessment:** Research project; critical reflection report **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

*Note: This unit is only available to students enrolled in the Bachelor of International Studies.*

**Associated degrees:** B Int S, UG Study Abroad Program.

This senior core unit in the Bachelor of International Studies is designed to provide students with the opportunity to combine theoretical learning with hands-on experience in international studies. Students enrol in the unit in the second semester of their third year, while either studying abroad or engaged as an intern in a government or non-government organisation in Sydney, working on an internationally-focussed project. The unit is taught fully online, accessed via the Faculty's Blackboard site. The aim of the content and assessment is to develop research and critical reflection skills, culminating in a major research paper.

*Textbooks*  
to be advised

### GOVT2881

#### Government Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

### GOVT2882

#### Government Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

### GOVT2883

#### Government Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

### GOVT2884

#### Government Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

### GOVT2885

#### Government Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Ec, B Ec Soc Sc, B Int S.

### GOVT2991

#### Government 2 Honours Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Diarmuid Maguire **Session:** Semester 1 **Classes:** 3 hours per week (may include a combination of lectures and tutorials) **Prerequisites:** Two junior Government units at the level of Credit or better, or with the consent of the Honours Coordinator, Dr Ariadne Vromen **Prohibitions:** GOVT2091 **Assessment:** Library research assignment; research design assignment; exam; Participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

This unit assists students enrolled in the honours program to develop the conceptual and practical skills they need to excel in any area of substantial political inquiry. An overview of political inquiry is presented through an examination of the diversity in theoretical and methodological approaches used by those who carry out political research. This includes looking at, for example, institutional, behavioural, discourse and feminist approaches in political inquiry, and the usage of quantitative and qualitative methods. The assessment is based around constructing research projects that can be utilised to answer current political questions.

#### Textbooks

David Marsh and Gerry Stoker 'Theory and Methods in Political Science', 2nd edition

### GOVT3993

#### Government 3 Honours Part A

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Michael Jackson **Session:** Semester 1 **Classes:** 3 hours per week (may include a combination of lectures and tutorials) **Prerequisites:** Two senior Government units and GOVT2991 (or 2091), each at the level of Credit or better, or with the consent of the Honours Coordinator, Dr Ariadne Vromen. **Prohibitions:** GOVT3991 **Assessment:** Essays; learning journal; participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

Power is the essential concept of political science, which is the systematic study of politics. Bertrand Russell, perhaps the greatest mind of the 20th Century, said power is the central concept of all the social sciences. Students explore this concept in different parts of political science and survey some debates on power, assessing the advantages and disadvantages of concepts of power. There are three themes in this unit. The first is the distribution of power in society. The second is power in comparative politics and the third is power in international relations. The emphasis is on the nature, sources and use of power.

#### Textbooks

Unit Reader will be available at the University Copy Centre

### GOVT3994

#### Government 3 Honours Part B

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Ariadne Vromen **Session:** Semester 2 **Classes:** 3 hours per week (may include a combination of lectures and tutorials) **Prerequisites:** Two senior Government units and GOVT2991 (or 2091), each at the level of Credit or better, or with the consent of the Honours Coordinator, Dr Ariadne Vromen. **Prohibitions:** GOVT3992 **Assessment:** Thesis prospectus; literature review; participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

This unit assists students to build towards a better fourth year honours dissertation. It considers the construction of a dissertation topic, planning the research, bibliographic searches, and writing the dissertation. The unit devotes a considerable amount of time to exercises designed to help students envisage their honours dissertation and plan fruitful lines of inquiry.

#### Textbooks

to be advised

### GOVT4101

#### Government Honours A

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Ariadne Vromen **Session:** Semester 1, Semester 2 **Prerequisites:** Credit grades in two junior GOVT units, three senior GOVT units and GOVT2991 (or GOVT2091), GOVT3993 (or GOVT3991) and GOVT3994 (or GOVT3992). Requirements for the Pass degree must be completed before entry to level 4000 honours units of study.

**Corequisites:** Must enrol in GOVT4101, 4102, 4103, and 4104 **Assessment:** Essay, thesis, research seminar essays **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons), B Int S (Hons).

Students work under individual supervision to prepare a bibliographic essay and an honours thesis. Students also take two seminars in areas such as political theory, Australian politics, comparative politics, international politics, public policy and administration. Candidates must enrol in GOVT4101, GOVT4102, GOVT4103 and GOVT4104 to complete the Honours degree.

### GOVT4102

#### Government Honours B

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Ariadne Vromen **Session:** Semester 1, Semester 2 **Prerequisites:** Credit grades in two junior GOVT units, three senior GOVT units and GOVT2991 (or GOVT2091), GOVT3993 (or GOVT3991) and GOVT3994 (or GOVT3992). Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. **Corequisites:** Must enrol in GOVT4101 and 4102 and 4103 and 4104 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons), B Int S (Hons).

See GOVT4101

### GOVT4103

#### Government Honours C

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Ariadne Vromen **Session:** Semester 1, Semester 2 **Prerequisites:** Credit grades in two junior GOVT units, three senior GOVT units and GOVT2991 (or GOVT2091), GOVT3993 (or GOVT3991) and GOVT3994 (or GOVT3992). Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. In the case of students enrolled in a combined law **Corequisites:** Must enrol in GOVT4101, 4102, 4103, and 4104 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons), B Int S (Hons).

See GOVT4101

### GOVT4104

#### Government Honours D

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Ariadne Vromen **Session:** Semester 1, Semester 2 **Prerequisites:** Credit grades in two junior GOVT units, three senior GOVT units and GOVT2991 (or GOVT2091), GOVT3993 (or GOVT3991) and GOVT3994 (or GOVT3992). Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. In the case of students enrolled in a combined law **Corequisites:** Must enrol in GOVT4101, 4102, 4103, and 4104 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons), B Int S (Hons).

See GOVT4101

### GOVT9001

#### Government Extension

##### Arts

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

### GOVT9002

#### Government Extension

##### Arts

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

### GOVT9003

#### Government Extension

##### Arts

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

### GOVT9004

#### Government Extension

##### Arts

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

### GRKA1600

#### Introduction to Ancient Greek 1

##### Arts

**Credit points:** 6 **Session:** Semester 1 **Classes:** two 1 hour lectures and two 1 hour seminars per week **Prohibitions:** GRKA1001, GRKA2611, GRKA2620 **Assessment:** weekly assignments and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit provides the essential linguistic foundation to the study of Greek literature, philosophy, culture, and history. It is meant for students with no previous acquaintance with ancient Greek. The unit is valuable for all students interested in all aspects of European history, archaeology, language, literature and philosophy.

*Textbooks*

Mastronarde D. Introduction to Attic Greek. University of California Press 1993

### GRKA1601

#### Introduction to Ancient Greek 2

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Peter Wilson **Session:** Semester 2 **Classes:** two 1 hour lectures and two 1 hour seminars per week **Prerequisites:** GRKA1600 or GRKA1001 **Prohibitions:** GRKA1002, GRKA2612, GRKA2621 **Assessment:** weekly assignments and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit builds upon the linguistic foundations provided by GRKA1600. It offers further study of Greek grammar combined with the reading of Greek authors in the original.

*Textbooks*

Mastronarde D. Introduction to Attic Greek. University of California Press 1993

### GRKA2600

#### Intermediate Greek 1

##### Arts

**Credit points:** 6 **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** HSC Greek or GRKA1601 or GRKA2621 or GRKA2612 or GRKA1002 **Prohibitions:** GRKA2603 **Assessment:** weekly assignments and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit builds upon the linguistic foundations provided by GRKA1601 or GRKA2621. It completes the survey of Greek grammar and introduces students to the translation and detailed analysis of extended extracts from Classical authors.

### GRKA2601

#### Intermediate Greek 2

##### Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** GRKA2600 or GRKA2603

**Assessment:** weekly assignments and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit builds on acquired skills in the reading, translating and writing in Greek. The unit includes close reading of extended extracts from classics of Greek prose and poetry.

### GRKA2620

#### Reading Greek 1

##### Arts

**Credit points:** 6 **Session:** Semester 1 **Classes:** two 1 hour lectures and two 1 hour seminars per week **Prohibitions:** GRKA1600, GRKA1001, GRKA2611 **Assessment:** weekly assignments and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit is designed for senior students who wish to begin the study of ancient Greek. It provides the essential linguistic foundation to the study of Greek literature, philosophy, culture, and history. It is meant for students with no previous acquaintance with ancient Greek. The unit is valuable for all students interested in all aspects of European history, archaeology, language, literature and philosophy.

*Textbooks*

Mastronarde D. Introduction to Attic Greek. University of California Press 1993

### GRKA2621

#### Reading Greek 2

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Peter Wilson **Session:** Semester 2 **Classes:** two 1 hour lectures and two 1 hour seminars per week **Prerequisites:** GRKA1600 or GRKA2603 or GRKA2611 or GRKA2620 **Prohibitions:** GRKA1601, GRKA1002, GRKA2612 **Assessment:** weekly assignments and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit is designed for senior students who wish to continue the study of ancient Greek. It offers further study of Greek grammar combined with the reading of Greek authors in the original.

*Textbooks*

Mastronarde D. Introduction to Attic Greek. University of California Press 1993

### GRKA2804

#### Greek (Ancient) Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### GRKA2805

#### Greek (Ancient) Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### GRKA3600

#### Advanced Greek

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Jeffrey Tatum **Session:** Semester 1 **Classes:** three 1 hour seminars per week **Prerequisites:** GRKA2601 or equivalent **Assessment:** weekly assignments and weekly tests **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit offers advanced study and practice in the literary language of ancient Greek. Particular emphasis will be given to the appreciation

of Greek prose style through the analysis of Greek texts and through weekly exercises in Greek prose composition. Practice in unseen translation will hone the student's reading and comprehension skills in ancient Greek.

### GRKA3602

#### Greek Epic Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** three 1 hour seminars per week **Corequisites:** GRKA2601 or equivalent **Assessment:** one 2000 word essay and 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

The Iliad, the Odyssey and the poems of Hesiod are the classics of the classics. This unit offers an introduction to the language, style and content of the Greek epics which served as the foundations of Greek cultural identity and are the primary textual sources for Bronze Age, Geometric and Archaic Greek language, religion, history and thought.

### GRKA3604

#### Greek Philosophical Texts Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Rick Benitez **Session:** Semester 1 **Classes:** three 1 hour seminars per week **Corequisites:** GRKA3600 or by permission of department **Assessment:** one 2000 word essay and 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit offers a close reading in the original Greek of select classics of Greek philosophy with particular attention of the genres of philosophical expression and the linguistic, cultural and ideological background to Greek philosophical thought.

#### Textbooks

Burnett J. Platonis Opera Vol. 3. Oxford University Press

### GRKA3606

#### Classics of Greek Literature Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Peter Wilson **Session:** Semester 2 **Classes:** three 1 hour lectures per week **Corequisites:** 18 GRKA credit points at 3000 level **Assessment:** one 2000 word essay and 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

In this unit we undertake advanced study of select genres of Greek literature, such as choral lyric, epinician, mime and the novel. It is intended for students with a firm command of Greek literary language and close familiarity with two or more other poetic or prose genres. Topics will be announced before the end of Semester 2 of the previous year.

### GRKA4011

#### Greek Honours A Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1, Semester 2 **Classes:** three 1 hour seminars per week **Prerequisites:** Credit average in 42 senior credit points of Greek including two of GRKA3603, 3604, 3605, 3606 plus 6 additional senior credit points of Greek, Latin or Ancient History. **Assessment:** two 2 hour exams and one 3 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), Dip Lang Studs (Hons).

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Student Information Guide from the SOPHI Office.

### GRKA4012

#### Greek Honours B

### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1, Semester 2 **Prerequisites:** Refer to GRKA4011 **Corequisites:** GRKA4011 **Assessment:** Refer to GRKA4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Lang Studs (Hons).

Refer to GRKA4011

### GRKA4013

#### Greek Honours C Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1, Semester 2 **Prerequisites:** Refer to GRKA4011 **Corequisites:** GRKA4012 **Assessment:** Refer to GRKA4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Lang Studs (Hons).

Refer to GRKA4011

### GRKA4014

#### Greek Honours D Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1, Semester 2 **Prerequisites:** Refer to GRKA4011 **Corequisites:** GRKA4013 **Assessment:** Refer to GRKA4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Lang Studs (Hons).

Refer to GRKA4011

### GRMN1111

#### Junior German 1 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1 **Classes:** 4 hours per week **Prohibitions:** HSC German Extension, German Continuers, German Beginners 70% or above or equivalent **Assessment:** Classwork (tests, assignments, class presentations, participation), 2 hour exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

Practical language classes based on a communicative approach that aims to develop the following language skills: speaking and understanding basic conversational German, writing German of an everyday kind and reading simple German texts which will provide an insight into aspects of contemporary life in the German-speaking countries.

#### Textbooks

Funk et al, studio d A1. Deutsch als Fremdsprache. Kurs-und Übungsbuch (Cornelsen)  
Niemann, studio d A1. Deutsch als Fremdsprache. Sprachtraining (Cornelsen)  
Funk et al, studio d A1. Deutsch als Fremdsprache. Vokabeltaschenbuch (Cornelsen)

### GRMN1122

#### Junior German 2 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** GRMN1111 **Assessment:** Classwork (tests, assignments, class presentations, participation), 2 hour exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

Practical language classes based on a communicative approach. These classes will develop and extend the language skills acquired in Semester 1.

#### Textbooks

Funk et al, studio d A2. Deutsch als Fremdsprache. Kurs-und Übungsbuch (Cornelsen)  
Niemann, studio d A2. Deutsch als Fremdsprache. Sprachtraining (Cornelsen)  
Funk et al, studio d A2. Deutsch als Fremdsprache. Vokabeltaschenbuch (Cornelsen)

### GRMN1211

#### Junior German 3

**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** HSC German Beginners 70% or above or German Continuers below 70% or equivalent **Assessment:** Classwork (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour exams. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

Practical language classes, including conversation: 3 hours per week. These classes provide a systematic review of each of the four language skills and a coordinated program to develop and extend these skills. Text study class: 1 hour per week. This part of the course is designed to develop students' reading and comprehension skills; it also provides an introduction to the skills of literary analysis.

*Textbooks*

Funk et al, studio d B1. Kurs- und Übungsbuch (Cornelsen)  
Funk et al, studio d B1. Vokabeltaschenbuch (Cornelsen)  
Niemann, studio d B1. Deutsch als Fremdsprache. Sprachtraining (Cornelsen)  
Teichert et al, Allerlei zum Lesen, 2nd edition (D.C. Heath and Company)

**GRMN1222****Junior German 4****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** GRMN1211 **Assessment:** Classwork (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour exams. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

Practical language classes, including conversation: 3 hours per week. These classes provide a systematic review of each of the four language skills and a coordinated program to develop and extend these skills. Text study class: 1 hour per week. This part of the course is designed to further develop students' reading and comprehension skills; it also provides an introduction to the skills of literary analysis.

*Textbooks*

Teichert et al, Allerlei zum Lesen, 2nd edition (D.C. Heath and Company)  
Perlmann-Balme et al, em neu 2008, Brückenkurs Kursbuch (Hueber)  
Orth-Chambah et al, em neu 2008, Brückenkurs Arbeitsbuch (Hueber)  
Hering et al, em Übungsgrammatik (Hueber)

**GRMN1311****Junior German 5****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** HSC German Extension or German Continuers 70% or above or equivalent **Assessment:** Classwork (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour exams. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

Practical language classes, including conversation: 3 hours per week. These classes provide a systematic review of each of the four language skills and a coordinated program to develop and extend these skills. Literature tutorial: 1 hour per week. Discussion of a selection of literary texts and a film to develop students' appreciation of these genres and introduce them to the skills of literary and film analysis.

*Textbooks*

Lodewick, Barthel 1 Kursbuch (Fabouda)  
Lodewick, Barthel 1 Übungsbuch (Fabouda)  
Hering et al, em Übungsgrammatik (Hueber)  
German Literature course pack to be purchased from the University Copy Centre.

**GRMN1322****Junior German 6****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** GRMN1311 **Assessment:** Classwork (conversation, class tests, compositions, comprehensions, translations, class presentations, short literature essay), two 1 hour exams. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

Practical language classes, including conversation: 3 hours per week. These classes provide a systematic review of each of the four language skills and a coordinated program to develop and extend these skills. Literature tutorial: 1 hour per week. Discussion of a variety of literary texts and genres to develop students' appreciation of literature and introduce them to the skills of literary analysis.

*Textbooks*

Lodewick, Barthel 1 Kursbuch (Fabouda)  
Lodewick, Barthel 1 Übungsbuch (Fabouda)  
Hering et al, em Übungsgrammatik (Hueber)  
German Literature course pack to be purchased from the University Copy Centre.

**GRMN2611****Senior German 1****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Yixu Lu **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** GRMN1122 **Prohibitions:** GRMN2211, GRMN2222, GRMN2311, GRMN2322, GRMN2331, GRMN2342, GRMN2351, GRMN2362 **Assessment:** 2 hour exam, classwork (conversation, class tests, compositions, comprehensions, translations, class presentations). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Using the most recent textbook materials which conform to both the European and International reference frameworks, this unit is designed to consolidate and extend the basic German knowledge gained in Junior German 1 and Junior German 2. Classes will practise both written, oral/aural and comprehension skills.

*Textbooks*

Funk et al, studio d B1. Kurs- und Übungsbuch (Cornelsen)  
Funk et al, studio d B1. Vokabeltaschenbuch (Cornelsen)  
Niemann, studio d B1. Deutsch als Fremdsprache. Sprachtraining (Cornelsen)

**GRMN2612****Senior German 2****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Yixu Lu **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** GRMN2611 or GRMN2211 **Prohibitions:** GRMN2222, GRMN2311, GRMN2322, GRMN2331, GRMN2342, GRMN2351, GRMN2362 **Assessment:** 2 hour exam, class work (conversation, class tests, compositions, comprehensions, translations, class presentations). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Using the most recent textbook materials which conform to both the European and International reference frameworks, this unit is designed to consolidate and extend the basic German knowledge gained in Senior German 1. Classes will practise both written, oral/aural and comprehension skills.

*Textbooks*

Perlmann-Balme et al, em neu 2008, Brückenkurs Kursbuch (Hueber)  
Orth-Chambah et al, em neu 2008, Brückenkurs Arbeitsbuch (Hueber)  
Hering et al, em Übungsgrammatik (Hueber)

**GRMN2613****Senior German 3****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Yixu Lu **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** GRMN1222 or GRMN2222 or GRMN2612 **Prohibitions:** GRMN2311, GRMN2322, GRMN2331, GRMN2342, GRMN2351, GRMN2362 **Assessment:** 2 hour exam, classwork (conversation, class tests, compositions, comprehensions, translations, class presentations). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Using the most recent textbook materials which conform to both the European and International reference frameworks, this unit is designed to consolidate and extend students' command of the German language by practising both written, oral/aural and comprehension skills at a level higher than the level already completed. At the completion of

this unit students will have reached the equivalent of the 'Zertifikat Deutsch'.

#### Textbooks

Perlmann-Balme et al, em neu 2008, Brückenkurs Kursbuch (Hueber)  
Orth-Chambah et al, em neu 2008, Brückenkurs Arbeitsbuch (Hueber)  
Hering et al, em Übungsgrammatik (Hueber)

### GRMN2614

#### Senior German 4

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Yixu Lu **Session:** Semester 2  
**Classes:** 3 hours per week **Prerequisites:** GRMN2613 or GRMN2311  
**Prohibitions:** GRMN2322, GRMN2331, GRMN2342, GRMN2351, GRMN2362  
**Assessment:** 2 hour exam, classwork (conversation, class tests, compositions, comprehensions, translations, class presentations). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Using the most recent textbook materials which conform to both the European and International reference frameworks, this unit is designed to consolidate and extend students' command of the German language by practising both written, oral/aural and comprehension skills at a level higher than the level already completed.

#### Textbooks

Gliencke, Katthagen, TestDaf. Kurs zur Prüfungsvorbereitung (Hueber)  
Hering et al, em Übungsgrammatik (Hueber)

### GRMN2615

#### Senior German 5

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Yixu Lu **Session:** Semester 2  
**Classes:** 3 hours per week **Prerequisites:** GRMN2322 or GRMN2614  
**Prohibitions:** GRMN2331, GRMN2342, GRMN2351, GRMN2362 **Assessment:** 2 hour exam, classwork (conversation, class tests, compositions, comprehensions, translations, class presentations). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Using the most recent textbook materials which conform to both the European and International reference frameworks, this unit is designed to consolidate and extend students' command of the German language by practising both written, oral/aural and comprehension skills at a level higher than the level already completed.

#### Textbooks

Lodewick, Barthel 1 Kursbuch (Fabouda)  
Lodewick, Barthel 1 Übungsbuch (Fabouda)  
Hering et al, em Übungsgrammatik (Hueber)

### GRMN2616

#### Senior German 6

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Yixu Lu **Session:** Semester 1  
**Classes:** 3 hours per week **Prerequisites:** GRMN1322 or GRMN2615  
**Prohibitions:** GRMN2342, GRMN2351, GRMN2362 **Assessment:** 2 hour exam, classwork (conversation, class tests, compositions, comprehensions, translations, class presentations). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Using the most recent textbook materials which conform to both the European and International reference frameworks, this unit is designed to consolidate and extend students' command of the German language by practising both written, oral/aural and comprehension skills at a level higher than the level already completed. At the completion of this unit students will have reached the equivalent of the 'Zentrale Mittelstufenprüfung'.

#### Textbooks

Lodewick, DSH-Training. Lesen Hören, Schreiben, wissenschaftssprachliche Strukturen. Texte aus Wissenschaft und Gesellschaft (Fabouda)  
Hering et al, em Übungsgrammatik (Hueber)

### GRMN2617

#### Senior German 7

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Yixu Lu **Session:** Semester 2  
**Classes:** 3 hours per week **Prerequisites:** GRMN2331 or GRMN2616  
**Prohibitions:** GRMN2351, GRMN2362 **Assessment:** 2 hour exam, classwork (conversation, class tests, compositions, comprehensions, translations, class presentations). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Using the most recent textbook materials which conform to both the European and International reference frameworks, this unit is designed to consolidate and extend students' command of the German language by practising both written, oral/aural and comprehension skills at a level higher than the level already completed.

#### Textbooks

Contact the department.

### GRMN2618

#### Senior German 8

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Yixu Lu **Session:** Semester 1  
**Classes:** 3 hours per week **Prerequisites:** GRMN2342 or GRMN2617  
**Prohibitions:** GRMN2362 **Assessment:** 2 hour exam, classwork (conversation, class tests, compositions, comprehensions, translations, class presentations). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Using the most recent textbook materials which conform to both the European and International reference frameworks, this unit is designed to consolidate and extend students' command of the German language by practising both written, oral/aural and comprehension skills at a level higher than the level already completed. At the completion of this unit students will have reached the equivalent of the 'Zentrale Oberstufenprüfung'.

#### Textbooks

Contact the department.

### GRMN2631

#### Reading Comprehension and Text Study

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Birte Giesler **Session:** Semester 1  
**Classes:** 2 hours per week **Prerequisites:** (GRMN1111 and GRMN1122) or (GRMN1211 and GRMN1222) **Prohibitions:** GRMN1311, GRMN1322, GRMN2342, GRMN2616, GRMN2530, GRMN2351, GRMN2617, GRMN2362, GRMN2618 **Assessment:** 2000 word essay, three class tests (3 x 1000 words), 1 hour exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Particularly suitable for students who have completed Junior German 1 and 2. The emphasis of the course will be on improving students' reading skills, as a necessary prerequisite to literary analysis and interpretation.

#### Textbooks

Teichert et al, Allerlei zum Lesen, 2nd edition (D.C. Heath and Company)

### GRMN2633

#### Topics in German Film

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 2  
**Classes:** 2 hours per week **Prerequisites:** 12 Junior credit points of German not including GRMN1133 **Prohibitions:** GRMN2455 **Assessment:** 3500 word essay, written tutorial paper (1500 words), class presentation (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit of study will explore German film from the perspectives of film theory and historical culture. Discussions will situate films within the German political and cultural context of their time and study them from the perspective of contemporary cross-cultural critique. The course may concentrate on the works of a specific director, a period



or a genre, or deal with key social and political issues within a selection of German films.

#### Textbooks

German film course pack to be purchased from the University Copy Centre.

### GRMN2635

#### Contemporary German Fiction Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Birte Giesler **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** 12 Junior credit points of German not including GRMN1133 **Prohibitions:** GRMN2913 **Assessment:** 3000 word essay, written class test (2000 words), class presentation (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit provides an overview of important currents in recent fiction in the German-speaking countries of Europe. A selection of highly acclaimed novels will be studied in depth and students will gain an insight into the diversity and originality of literature in the German language and an understanding of the relationship of literary texts to their historical and cultural contexts.

### GRMN2637

#### Business German Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 2 **Classes:** 1 hour lecture and one 1 hour tutorial per week **Prerequisites:** GRMN1222, GRMN1322, GRMN2222 or GRMN2612 **Assessment:** Classwork (tests, assignments, presentations, participation), 2 hour exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit develops and practices the language skills, both oral and written, necessary for working in a German business environment. It will deal with issues ranging from everyday communication within a business context, to in-depth analyses of specific economic topics.

#### Textbooks

Becker, Braunert, Eisfeld, Dialog Beruf 2 (Hueber)

Becker, Braunert, Eisfeld, Dialog Beruf 2. Arbeitsbuch (Hueber)

### GRMN2638

#### Gender & Sexuality in German Literature Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** 12 Junior credit points of German not including GRMN1133 **Prohibitions:** GRMN2950 **Assessment:** 3500 word essay, tutorial paper (1500 words), class presentation (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

This unit examines the works of some of the most important German and Austrian authors of the 'Jahrhundertwende' with regard to discourses on gender and sexuality at the turn of the century.

#### Textbooks

Wedekind, Frühlings Erwachen (Reclam UB 7951)

Hauptmann, Und Pippa tanzt (Reclam UB 8322)

Schnitzler, Fräulein Else (Fischer Tb. 9102)

### GRMN2641

#### German Culture and Society 1806-1848 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Yixu Lu **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** 12 Junior credit points of German not including GRMN1133 **Assessment:** Learning journal (2500 words), tutorial paper (1500 words), 2 hour written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit offers an introduction to German culture and society in the first half of the 19th century. It looks at how the foundations of the German Nation State were laid in the wake of upheavals that began with the French Revolution and at the traces of these developments in literature. Through analysing contemporary literary texts and examining cultural, social and political conditions, it builds an understanding of how German society moved towards a unified Nation State and towards industrialisation.

#### Textbooks

Course pack to be purchased from the University Copy Centre.

### GRMN2642

#### German Culture and Society 1849-1914 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Yixu Lu **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** 12 Junior credit points of German not including GRMN1133 **Assessment:** Learning journal (2500 words), tutorial paper (1500 words), 2 hour written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit offers an introduction to German culture and society in the second half of the 19th century and examines the process of the founding of the German nation state and its struggle to find its place in Europe. Through analysing literary texts and discussing cultural, social and political conditions from 1849 to 1914 it will build an understanding of how nationalism and imperialism lead Germany ultimately into World War I.

#### Textbooks

Course pack to be purchased from the University Copy Centre.

### GRMN2683

#### German Literature and Culture Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Yixu Lu **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** Credit average in 12 Junior credit points of German not including GRMN1133 **Assessment:** 3000 word essay, tutorial paper (2000 words), class presentation (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

(This is a special honours entry unit.) What is the place of literature in life? Why do people write and read literature? This seminar will provide students with an overview of the history of German literature within its broader cultural context. It will look at different styles of writing and introduce different methodological ways of dealing with literary texts of various times. It will examine the role of literature within society and its importance for sociological and anthropological discourses.

#### Textbooks

Poems from Gryphius to Grünbein (provided by the department)

Goethe: Iphigenie auf Tauris (dtv2670)

Keller: Kleider machen Leute (SBB 68)

Mann, Der Tod in Venedig. Novelle (Fischer TB 11266)

Bachmann: Undine geht. In: I.B.: Das dreissigste Jahr. Erzählungen (Serie Piper 4550)

### GRMN2685

#### Artificial Humans in German Culture Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Birte Giesler **Session:** Semester 1 **Classes:** 2 hour seminar per week **Prerequisites:** Credit average in 12 Junior credit points of German **Assessment:** Essay (3000 words), tutorial paper (1000 words), class presentation (equivalent to 2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

(This is a special honours entry unit.) Cyborgs, designer babies, clones, artificial intelligence - mass media of nowadays are crowded with artificial humans. This course considers the motif of the artificial human from the early myths (Prometheus, Pygmalion, Golem) to contemporary literature and film. We will analyze a selection of literary

texts and films of different genres and epochs dealing with the magic and mythological tradition of the motif.

#### Textbooks

Poems by Goethe, Droste-Hülshoff, Dischereit (department selection)  
Hoffmann, Der Sandmann, Insel Taschenbücher 934  
Kerner, Blueprint - Blaupause, Gulliver Taschenbücher Bd. 909  
Bauersima, Future de luxe, In: norway.today.3 Theaterstücke. Fischer Taschenbücher Bd 16144-4  
Film: Fritz Lang/Thea von Harbou: Metropolis.

### GRMN2811

#### Germanic Studies Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### GRMN2812

#### Germanic Studies Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### GRMN2813

#### Germanic Studies Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### GRMN2814

#### Germanic Studies Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### GRMN2815

#### Germanic Studies Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### GRMN4011

#### German Honours A

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Birte Giesler **Session:** Semester 1, Semester 2 **Classes:** 5 hours per week **Prerequisites:** A major in German with a Credit average in 48 Senior credit points of German including 12 credit points of special honours entry units (2680 level) **Assessment:** Coursework (involves language assignments, class presentation(s) three 5000 word essays including two written in German, 40%); 12000 - 15000 word thesis (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

This unit consists of the following segments:

A. Advanced Language Tuition

B. Writing of a long essay of 12000-15000 words to be researched and written over the whole year. A supervisor will be appointed.

C. Advanced seminars of which students are required to take two per semester. The seminars offered in 2009 are:

1. Women and Female Figures in German Literature from the Enlightenment to Romanticism

Dr Yixu Lu, Offered: Semester 1, Classes: 2 hours per week

In the 18th century the European Enlightenment was deeply concerned with the question as to the nature of middle-class individuality. This necessarily led to further questions as to a specifically female identity. Does one even exist? This unit of study sets out to answer such questions in their historical and literary contexts. Its point of departure is an introduction into the theories of the most prominent thinkers of that age as to what is uniquely feminine. It goes on to look at works of literature by female and male writers which depict female characters and analyse the relations between gender roles. Finally the practical aspects of women's enlightenment will be examined using texts of the time aimed at an audience of male educators or female pupils. In this way the course offers insights into the cultural history of female role models and offers a grounding in the culture of sentiment of that age which has left its traces on contemporary psychology.

#### Textbooks

Gotthold Ephraim Lessing: Miß Sara Sampson, Reclam, UB: 16

Sophie von La Roche: Geschichte des Fräuleins von Sternheim, Reclam, UB: 7934

Friedrich Schlegel: Lucinde. Studienausgabe. Krit. hrsg., Bibl. u. Nachw.: Polheim, Karl

Konrad. Reclam, UB: 320

Heinrich von Kleist: Penthesilea. Reclam. UB: 1305

2. Film Adaptations of German Language Literature

Dr Andrea Bandhauer, Offered: Semester 1, Classes: 2 hours per week

The adaptation of a literary text into a film involves a great amount of complex translations. In multi-layered processes, the literary text will have to be translated into a visual performance, a process which will inevitably change the structure of the narrative. Directors and also actors will be translating into performance a written script which in fact is itself an adaptation of the literary source. In this sense an adaptation is not only an interpretation of the literary source but also an artwork in itself. There is - one could argue - no original text but both original and adaptation are intertexts. In this seminar, we will look at the adaptation of novellas and novels written in the early twentieth century by international filmmakers of different periods and nationalities. The course offers insight into aspects of form, history as well as into intercultural aspects of adaptation.

#### Textbooks

Heinrich Mann, Professor Unrat oder das Ende eines Tyrannen. rororo Taschenbücher, Nr. 35. Rowohlt, 2005.

Thomas Mann, Der Tod in Venedig. Fischer (Tb), Frankfurt 1992.

Arthur Schnitzler, Die Traumnovelle. Reclam, 2006.

#### Films

Sternberg, Der Blaue Engel (1930)

Visconti, Death in Venice / Morte a Venezia (1971)

Fassbinder, Lola (1981)

Kubrick, Eyes Wide Shut (1999)

3. German Linguistics

Dr Jäger, Offered: Semester 2, Classes: 2 hours per week,

Assessment: 4000 word essay, class presentation(s).

After an introduction to the essential elements of German linguistics this seminar will investigate the German language in its historical, regional, and sociological dimensions and how these aspects impact on standard "High German".

#### Textbooks:

Bußmann, Hadumod: Lexikon der Sprachwissenschaft, 3., aktual. und erweiterte Auflage (Kröners Taschenausgaben)

Schmidt, Wilhelm, et al: Geschichte der deutschen Sprache. Ein Lehrbuch für das germanistische Studium (Hirzel)

#### **GRMN4012**

##### **German Honours B**

###### **Arts**

**Credit points:** 12 **Teacher/Coordinator:** Semester 1 Dr Birte Giesler, Semester 2 Dr Andrea Bandhauer **Session:** Semester 1, Semester 2 **Corequisites:** GRMN4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to GRMN4011

#### **GRMN4013**

##### **German Honours C**

###### **Arts**

**Credit points:** 12 **Teacher/Coordinator:** Semester 1 Dr Birte Giesler, Semester 2 Dr Andrea Bandhauer **Session:** Semester 1, Semester 2 **Corequisites:** GRMN4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to GRMN4011

#### **GRMN4014**

##### **German Honours D**

###### **Arts**

**Credit points:** 12 **Teacher/Coordinator:** Semester 1 Dr Birte Giesler, Semester 2 Dr Andrea Bandhauer **Session:** Semester 1, Semester 2 **Corequisites:** GRMN4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to GRMN4011



# University undergraduate units of study – H

## HBRW1011

### Hebrew Modern B1 Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 1  
**Classes:** 4 hours per week **Assessment:** Mid-semester exam (30%), final exam (35%), continuous assessment and class preparation (35%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit provides an introduction to Modern Hebrew. It is intended for students who have little or no previous knowledge and practice of the language. The unit will foster the development of oral communication skills relating to everyday topics. It will include learning the Hebrew alphabet and basic reading and writing skills as well as the introduction of basic vocabulary and language functions. It is imperative that all prospective students contact the coordinator to arrange for a placement test upon enrolment.

#### Textbooks

Chayat, S., Israeli, S., Kobliner, H. (2000) Hebrew from Scratch, Part I (new edition) Academ, Jerusalem  
Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary, AD, Tel Aviv  
HBRW1011, Hebrew Alphabet Booklet 2009, University of Sydney Copy Centre

## HBRW1102

### Hebrew Modern B2 Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 2  
**Classes:** 4 hours per week **Prerequisites:** HBRW1011 or equivalent knowledge as determined by the department **Prohibitions:** HBRW1302 **Assessment:** Mid-semester exam (30%), final exam (35%), continuous assessment and class preparation (35%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is an extension of the work done in HBRW1011 (B1). It will further develop the language skills acquired in B1. This unit involves a range of learning styles that will assist you to further develop and consolidate your listening, speaking, reading and writing skills.

#### Textbooks

Chayat, S., Israeli, S., Kobliner, H. (2000), Hebrew from Scratch, Part I (new edition) Academ, Jerusalem  
Lauden, E., Weinbach, L. (1993), Multi-Dictionary: Bilingual Learners' Dictionary, AD, Tel Aviv

## HBRW1111

### Hebrew Classical B1 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Young **Session:** Semester 1  
**Classes:** 4 hours per week **Prohibitions:** HBRW1311, HBRW2631 **Assessment:** 2 hour exam (50%), continuous assessment (40%), class participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit, for those beginning the study of Hebrew, brings students from their first acquaintance with the Hebrew alphabet to an understanding of the Hebrew language. The unit is devoted to the study of the grammar and the principles of translation.

#### Textbooks

Contact the department.

## HBRW1112

### Hebrew Classical B2 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Young **Session:** Semester 2  
**Classes:** 4 hours per week **Prerequisites:** HBRW1111 **Prohibitions:**

HBRW1312, HBRW2632 **Assessment:** 2 hour exam (50%), continuous assessment (40%), class participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit continues the study of grammar and classical Hebrew (Biblical) texts, as follows: grammar (2 hours per week), classical text (2 hours per week).

#### Textbooks

Contact the department

Selections from the Hebrew Bible (T'nach) for reading

## HBRW2603

### Hebrew Modern 3 Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 1  
**Classes:** 4 hours per week **Prerequisites:** HBRW1102 or equivalent knowledge as determined by the department **Prohibitions:** HBRW2103 **Assessment:** Mid-semester exam (30%), final exam (35%), continuous assessment and class preparation (35%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is an extension of the work done in HBRW1102. It consists of an intensive study of spoken Modern Hebrew with emphasis on communicative skills that will enable students to communicate in simple Hebrew for everyday situations. Simple literary texts and language components, which are orientated around relevant themes, are dealt with. A variety of different methods will be used to explain grammatical structures, morphology and syntax and to provide examples in their use.

#### Textbooks

Chayat, S., Israeli, S., Kobliner, H. (2000) Hebrew from Scratch. Part I (new edition) Academ, Jerusalem  
Lauden, E., Weinbach, L. (1993) Multi Dictionary: Bilingual Learners' Dictionary, AD, Tel Aviv

## HBRW2604

### Hebrew Modern 4 Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 2  
**Classes:** 4 hours per week **Prerequisites:** HBRW1102 or equivalent knowledge as determined by the department **Prohibitions:** HBRW2104 **Assessment:** Mid-semester exam (30%), final exam (35%), continuous assessment and class preparation (35%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is an extension of the work done in HBRW2603. It uses a communicative approach to language learning. Students' active participation through teamwork, role-playing and other interactive techniques is an essential aspect of all classes. It is expected that by the end of this unit students will be able to take part in simple everyday Hebrew conversation.

#### Textbooks

Chayat, S., Israeli, S., Kobliner, H. (2000) Hebrew from Scratch, Part I (new edition) Academ, Jerusalem  
Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary, AD, Tel Aviv

## HBRW2605

### Hebrew Modern 5 Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 1  
**Classes:** 4 hours per week **Prerequisites:** HBRW1102 or equivalent knowledge as determined by the department **Prohibitions:** HBRW2105 **Assessment:**



Mid-semester exam (30%), final exam (35%), continuous assessment and class preparation (35%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit picks up from HBRW2604. It covers language skills and knowledge of Level Beit. In addition to consolidating and further developing spoken communication and writing skills, this unit will introduce the student to a variety of Modern Hebrew texts such as poems, songs, short stories and newspaper articles as well as some Classical Hebrew texts.

#### Textbooks

Chayat, S., Israeli, S., Kobliner, H. (2001) Hebrew from Scratch Part II, Academ, Jerusalem  
Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. AD Tel Aviv

### HBRW2606

#### Hebrew Modern 6

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 2  
**Classes:** 4 hours per week **Prerequisites:** HBRW1102 or equivalent knowledge as determined by the department **Prohibitions:** HBRW2106 **Assessment:** Mid-semester exam (30%), final exam (35%), continuous assessment and class preparation (25%), oral presentations (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is an extension of the work done in HBRW2605. By the end of the unit, students will be able to converse confidently in everyday Hebrew. As well, this unit is designed to enable students who wish to continue learning Modern Hebrew to make the transition into HBRW2607 and HBRW2608.

#### Textbooks

Chayat, S., Israeli, S., Kobliner, H. (2001) Hebrew from Scratch Part II, Academ, Jerusalem  
Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. AD, Tel Aviv

### HBRW2607

#### Hebrew Modern 7

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 1  
**Classes:** 4 hours per week **Prerequisites:** HBRW2106 or HBRW2606 or Modern Hebrew HSC or equivalent knowledge as determined by the department **Prohibitions:** HBRW1301 **Assessment:** Mid-semester exam (30%), final exam (30%), oral presentations (10%), continuous assessment and class preparation (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit picks up from HBRW2606. Students will develop their speaking fluency while improving their grammar and usage. The ability to read a variety of Modern Hebrew texts, including newspaper articles, short stories, poems and other literary texts, which reflect socio-cultural issues from the 19th century to the present time, will be further developed.

Special significance is attached to this unit. Upon its completion, students are eligible to be considered for admission to regular studies at the Hebrew University.

#### Textbooks

Cohen, M. (1992) Hebrew, what a Language (Agada shel Safa), Academ, Jerusalem  
Weyl, T., Farstei, H. (1996) HaPo'al le-Lomdei Ivrit (Ramot Gimel Dalet), Academ, Jerusalem  
Liebrecht, S. (1997) Shlosha Sipurim, Gesher series, Jerusalem  
Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. AD, Tel Aviv

### HBRW2608

#### Hebrew Modern 8

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 2  
**Classes:** 4 hours per week **Prerequisites:** HBRW1301 or HBRW2607 or equivalent knowledge as determined by the department **Prohibitions:**

HBRW1302 **Assessment:** Mid-semester exam (30%), final exam (30%), oral presentations (10%), continuous assessment and class preparation (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is an extension of HBRW2607. Students will further improve their communicative skills while consolidating their grammatical knowledge. Special significance is attached to this unit. Upon its completion, students are eligible to be considered for admission to regular studies at the Hebrew University.

#### Textbooks

Cohen, M. (1992) Hebrew, what a Language (Agada shel Safa), Academ, Jerusalem  
Weyl, T., Farstei, H. (1996) HaPo'al le-Lomdei Ivrit (Ramot Gimel Dalet), Academ, Jerusalem  
Gedalia, A. ha'Ed ha'Acharon. Gesher series, Jerusalem  
Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. AD, Tel Aviv

### HBRW2609

#### Hebrew Modern 9

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 1  
**Classes:** 4 hours per week **Prerequisites:** HBRW1302 or HBRW2608 or equivalent knowledge as determined by the department **Prohibitions:** HBRW2303 **Assessment:** Mid-semester exam (20%), final exam (25%), 750 word essay (20%), continuous assessment and class preparation (35%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit picks up from HBRW2608. It is an intensive language-learning program covering Level Dalet. It is based both on communicative (speaking, listening) and writing (reading, writing) skills. Through using the Hebrew language in a range of contexts, students will further extend and develop their communicative skills. As well, they will be introduced to contemporary texts that reflect socio-cultural issues of Israeli society over the last two centuries.

#### Textbooks

Omlinsky, B., Weiss, Y. (2006) Ivrit be-Dalet Amot, Academ, Jerusalem  
Weyl, T., Farstei, H. (1996) HaPo'al le-Lomdei Ivrit (Ramot Gimel Dalet), Academ, Jerusalem  
Amir, E. Tarnegol Kaparot. Gesher series, Jerusalem  
Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. AD, Tel Aviv

### HBRW2610

#### Hebrew Modern 10

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 2  
**Classes:** 4 hours per week **Prerequisites:** HBRW1302 or HBRW2608 or equivalent knowledge as determined by the department **Prohibitions:** HBRW2304 **Assessment:** Mid-semester exam (20%), final exam (25%), 750 word essay (20%), continuous assessment and class preparation (35%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is an extension of HBRW2609. It further develops, enhances and extends students' good knowledge of Modern Hebrew. It is based on communicative (speaking, listening) and writing (reading, writing) skills.

#### Textbooks

Omlinsky, B., Weiss, Y. (2006) Ivrit be-Dalet Amot, Academ, Jerusalem  
Weyl, T., Farstei, H. (1996) HaPo'al le-Lomdei Ivrit (Ramot Gimel Dalet), Academ, Jerusalem  
Yehoshua, A.B., Shlosha Yamim veYeled, Gesher series: Jerusalem  
Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. AD, Tel Aviv

### HBRW2611

#### Hebrew Modern 11

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 1  
**Classes:** 4 hours per week **Prerequisites:** HBRW2608 or equivalent knowledge

as determined by the department **Prohibitions:** HBRW2305 **Assessment:** Mid-semester exam (20%), final exam (25%), 1000 word essay (20%), continuous assessment and class preparation (35%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is an extension of HBRW2610 and it covers Level Hey. Through using the Hebrew language in a range of contexts, students will have the opportunity to fine-tune their knowledge and usage of the language. As well, they will further extend and develop their understanding of the way in which various functions of the language come together. In addition, they will read and analyse contemporary literature and poetry, which reflect socio-cultural issues of Israeli society.

#### Textbooks

Barak, S., Simons, E. (1990) Kadima Hey. Academon, Jerusalem  
Baras, N., Delshad, E. (1994) HaPo'al le-Mitkadmim. Academon, Jerusalem  
Baras, N., Delshad, E. (2000) Tachbir le-Mitkadmim (Ramah Heh). Academon, Jerusalem  
Shahar, D. Al haHalomot (Concerning Dreams), Geshar series  
Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. Ad, Tel Aviv

### HBRW2612

#### Hebrew Modern 12

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms Gilead **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** HBRW1302 or HBRW2608 or equivalent knowledge as determined by the department **Prohibitions:** HBRW2306 **Assessment:** Mid-semester exam (20%), final exam (25%), 1000 word essay (20%), continuous assessment and class preparation (35%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is an extension of HBRW2611. It offers an opportunity for in-depth examination of the linguistic functions of Modern Hebrew as they are manifested in literature and poetry. Through using the Hebrew language in a range of contexts, students will further extend and develop their understanding of the way in which various patterns of the language come together. As well, they will be introduced to contemporary texts, which reflect socio-cultural issues of Israeli society.

#### Textbooks

Barak, S., Simons, E. (1990) Kadima Hey. Academon, Jerusalem  
Baras, N., Delshad, E. (1994) HaPo'al le-Mitkadmim. Academon, Jerusalem  
Baras, N., Delshad, E. (2000) Tachbir le-Mitkadmim (Ramah Heh). Academon, Jerusalem  
Oz, A. Har haEitza haRa'a Geshar series  
Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. Ad, Tel Aviv

### HBRW2623

#### Hebrew Classical 3

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Young **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent **Prohibitions:** HBRW2115 **Assessment:** Two 2 hour exams (60%), continuous assessment and class preparation (20%), 1500 word essay (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

The books of the Hebrew Bible are studied in the light of their setting and composition history. The course consists of: set classical texts (2 hours per week); and special background area study: Mishnaic Hebrew (2 hours per week).

#### Textbooks

Contact the department.

### HBRW2624

#### Hebrew Classical 4

### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Young, Ms Davey **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent **Prohibitions:** HBRW2116 **Assessment:** Two 2 hour exams (60%), continuous assessment and class preparation (20%), 1500 word essay (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

The books of the Hebrew Bible are studied in the light of their setting and composition history. The course consists of: set classical texts (2 hours per week) and special background area study: Late Biblical and Dead Sea Scrolls Hebrew (2 hours per week).

### HBRW2631

#### Hebrew Accelerated C1

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Young **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** 18 Junior credit points including 12 credit points in a subject area from the School of Archaeology, Classics and Ancient History or from the Department of Hebrew, Biblical and Jewish Studies or from the Department of Arabic and Islamic Studies **Corequisites:** 6 senior credit points in a subject area from the School of Archaeology, Classics and Ancient History or from the Department of Hebrew, Biblical and Jewish Studies or from the Department of Arabic and Islamic Studies. **Prohibitions:** HBRW1111, HBRW1112, HBRW2401 **Assessment:** 2 hour exam (50%), continuous assessment (40%), class participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

An introduction to Hebrew language for those whose existing corequisite units of study require a basic language ability. It is taught concurrently with the existing Hebrew B-stream.

### HBRW2632

#### Hebrew Accelerated C2

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Young **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** HBRW2401 or HBRW2631 **Prohibitions:** HBRW1112, HBRW2402 **Assessment:** 2 hour exam (50%), continuous assessment (40%), class participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit brings students to a level necessary for the study of Hebrew at an advanced level. It forms a bridge between Hebrew Accelerated C1 and other senior Hebrew units.

### HBRW2641

#### Aramaic 1

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Young **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent **Prohibitions:** HBRW3901 **Assessment:** 2 hour exam (50%), 2500 word essay (30%) and continuous assessment and class participation (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

The course investigates the language, background and text history of the principal witnesses to Biblical Aramaic, the books of Daniel and Ezra.

### HBRW2642

#### Aramaic 2

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Young **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent **Prohibitions:** HBRW3902 **Assessment:** 2 hour exam (50%), 2500 word essay (30%), continuous assessment and class participation (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

The unit introduces students to non-Biblical Aramaic dialects such as: Old Aramaic, Elephantine Papyri, Dead Sea Scrolls and Targumim.

## HBWR2651

### Syriac 1

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Ebied **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent **Prohibitions:** HBRW2911 **Assessment:** 2 hour exam (60%), weekly assignments, exercises and class participation (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

For those beginning the study of Syriac this is a preparation for more advanced study of Syriac language and literature. It concentrates on the study of elementary Syriac grammar, prose composition and an introductory study of selections of texts from the Old and New Testament Peshitta.

#### Textbooks

Robinson, T.H., *Paradigms and Exercises in Syriac Grammar*, rev.edn. by L.H. Brockington, Oxford, OUP

## HBWR2652

### Syriac 2

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Ebied **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** HBRW2911 or HBRW2651 **Prohibitions:** HBRW2912 **Assessment:** 2 hour exam (60%), weekly assignments, exercises and class participation (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit builds on the foundation of Syriac 1. It concentrates on the study of advanced Syriac prose composition and selections of texts from the Old and New Testament Peshitta.

## HBWR2661

### Akkadian Language 1

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Weeks **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** HBRW1111 and HBRW1112 or equivalent in these or another Semitic language **Prohibitions:** ANHS3923 **Assessment:** 2 hour exam (equivalent to 2000 words), class preparation and weekly exercises (equivalent to 4000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This unit of study will introduce students to the Akkadian language and the reading of Cuneiform documents.

## HBWR2662

### Akkadian Language 2

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Weeks **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** ANHS3923 or HBRW2661 **Prohibitions:** ANHS3922 **Assessment:** 2 hour exam (equivalent to 2000 words), 2000 word essay, class preparation (equivalent to 2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This unit focuses on the reading and discussion of representative Assyrian texts.

## HBWR4011

### Hebrew (Classical) Honours A

#### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Young **Session:** Semester 1, Semester 2 **Classes:** 6 hours per week **Prerequisites:** 48 Senior credit points consisting of: (HBRW2113 or HBRW2623) and (HBRW2114 or HBRW2624)

and (HBRW2115 or HBRW2625) and (HBRW2116 or HBRW2626); and 24 credit points from the department of Hebrew, Biblical and Jewish Studies including at least 12 credit points from HBRW units **Assessment:** Semester 1: Two 3 hour exams (70%), 2000 word essay (30%). Semester 2: Two 3 hour exams (60%), 10000 word thesis (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), Dip Lang Studs (Hons).

First Semester: (i) Students will continue their study of classical Hebrew texts with the study of the Megilloth (2 hours per week); (ii) An additional Semitic language will be studied (2 hours per week) from the following: Aramaic, Syriac, Akkadian, Ugaritic.

(iii) One special area of study will be chosen (2 hours per week) from the following: Classical Hebrew Literature; Medieval Hebrew Literature; Northwest Semitic Inscriptions.

Second Semester: (i) Classical Hebrew texts (2 hours per week); (ii) Additional Semitic language (2 hours per week) out of: Aramaic, Syriac, Akkadian, Ugaritic; (iii) Special area of study (2 hours per week) from the following: Modern Hebrew Literature; Samaritan Literature; Septuagint; (iv) A special interest study will be pursued by students under supervision, leading to the writing of a 10,000 word honours thesis.

## HBWR4012

### Hebrew (Classical) Honours B

#### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** HBRW4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Lang Studs (Hons).

Refer to HBRW4011

## HBWR4013

### Hebrew (Classical) Honours C

#### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** HBRW4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Lang Studs (Hons).

Refer to HBRW4011

## HBWR4014

### Hebrew (Classical) Honours D

#### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** HBRW4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Lang Studs (Hons).

Refer to HBRW4011

## HBWR4021

### Hebrew (Modern) Honours A

#### Arts

**Credit points:** 12 **Teacher/Coordinator:** Ms Yona Gilead **Session:** Semester 1, Semester 2 **Classes:** 6 hours per week **Prerequisites:** Credit or better at 36 credit points of Modern Hebrew from among HBRW2605 to HBRW2612 **Assessment:** Semester 1: classwork, assignment (2000-2500 words in Hebrew), Semester 2: classwork, thesis (8000-10000 words in either Hebrew or English). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons).

First Semester: (i) Students will continue with their study of Modern Hebrew (2 hours per week); (ii) Special areas of study from the following: Hebrew films; Poetry; Literature (2 hours per week); (iii) Classical Hebrew will be studied (2 hours per week).

Second Semester: Modern Hebrew (2 hours per week); (ii) Special areas of study from the following: Hebrew films; Poetry; Literature (2 hours per week); (iii) Classical Hebrew will be studied (2 hours per week); (iv) A special interest study will be pursued by students under



supervision, leading to the writing of an 8,000-10,000 word honours thesis.

### HBRW4022

#### Hebrew (Modern) Honours B Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** HBRW4021  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons).  
See HBRW4021

### HBRW4023

#### Hebrew (Modern) Honours C Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** HBRW4022  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons).  
See HBRW4021

### HBRW4024

#### Hebrew (Modern) Honours D Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** HBRW4023  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons).  
See HBRW4021

### HIMT1051

#### Introduction to Management Principles Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 1  
**Classes:** 3hrs lectures, 1hr tutorial/week **Assessment:** Assignments, exams  
**Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sci, B Hlth Sci, M H I, B Hlth Sci, M H I M, B Hlth Sci, M N, B Hlth Sci, M Rehab Cng, UG Study Abroad Program.

This unit introduces students to the principles of management and develops their skills in management in health care settings. Topics include an introduction to management and what managers do; building effective teams; organising work; the influence of organisational culture; change management; planning; leadership and managerial ethics. Students will also develop an understanding of the structure and functions of organisations. A key objective of this unit is to enable the students to develop practical management skills to enable them to perform effectively as managers.

### HIMT3054

#### Medical Science C Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Ms Anne Marks **Session:** Semester 1  
**Classes:** 2hrs lectures/week **Prerequisites:** HIMT2052 Medical Science B  
**Assessment:** Test, 2hr exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt)Hons, UG Study Abroad Program.

This unit extends the learning of internal medicine to diseases of the eye, ear, nose and throat (ENT), paediatrics, obstetrics, and gynaecology. It also introduces the fundamentals of clinical pharmacology, surgical procedures, and laboratory testing in medical care.

### HIMT3055

#### Casemix/Practical Coding Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Ms Anne MaArks **Session:** Semester 1  
**Classes:** 1hr lecture, 2hrs tutorial/week **Prerequisites:** HIMT2055 Classification Principles **Assessment:** Assignments, practical skills coding

tests, 2hr final exam **Practical field work:** Students build on the skills developed in HIMT2055 Classification Principles by applying the ICD-10-AM in tutorials and independent learning. Skill levels are increased by learning to abstract clinical statements from discharge summaries and simple (short-stay) clinical records and translate them into coded data. Automated coding and grouping exercises are undertaken to appreciate the relationship between ICD-10-AM and AR-DRGs **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt)Hons, UG Study Abroad Program.

This unit is designed to cover a variety of casemix classification systems for acute and non-acute inpatients and ambulatory patients. The major emphasis will be on Diagnosis Related Groups (DRGs) with specific reference to the Australian Refined Diagnosis Related Groups (AR-DRGs). Casemix applications and current casemix initiatives will be explored.

#### Textbooks

National Centre for Classification in Health, The International Statistical Classification of Diseases and Related Health Problems, Australian Modification (5th ed), NCCCH, Sydney (2006)

### HIMT3056

#### Management Principles and Practice B Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 1  
**Classes:** 2hrs lecture, 1hr tutorial/week **Assessment:** Assignment 1 (short answer) (20%), assignment 2 (1500 words) (20%), 2hr exam (60%), workbook questions (formative assessment) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt)Hons, B Hlth Sci, UG Study Abroad Program.

This unit of study covers the key concepts necessary for health service managers. Topics covered include: strategic planning, job design and organizational structures, building effective teams, organizational culture, control, TQM and benchmarking, leadership and power, delegation, change management and managerial ethics.

#### Textbooks

Robbins SP, Bergman R, Staff I & Coulter M, Management (3rd ed), Prentice Hall, Australia (2003)

### HIMT3057

#### Database Theory and Applications Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Anne Marks **Session:** Semester 1  
**Classes:** 1hr lecture, 2hrs tutorial/week **Prerequisites:** HIMT1054 Microcomputing Essentials, HIMT2054 Fundamentals of Programming  
**Assessment:** SQL test (30%), assignment (55%), FileMaker Pro test (15%)  
**Practical field work:** 2hrs/week practical session provided in computer laboratory **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt)Hons, UG Study Abroad Program.

This unit introduces theories of relational database systems and covers the concepts of relational models, E-R and data modelling, normalisation, systems analysis and design life cycle, logical and physical database design and implementation. The principles of Structured Query Language (SQL) of data storage and queries are also introduced. Students are provided with opportunities to construct clinical databases using different applications such as Sybase, Microsoft Access and FileMaker Pro.

### HIMT3058

#### Professional Practice B Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Ms Anne Marks **Session:** Semester 1  
**Classes:** Off-campus, block mode; on-campus workshop following practicum  
**Prerequisites:** HIMT2053 Management Principles and Practice A, HIMT2057 Professional Practice A **Assessment:** Report and presentation (60%), supervisor's evaluation (40%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt)Hons, UG Study Abroad Program.

This unit of study provides students with the opportunity to practise and refine their business communication skills, particularly written skills. The documentation of a procedure, a business report and minute-taking are particular skills that will be addressed. Students will also be able to observe and participate in management-related activities within the facility.

### HIMT3059

#### Introductory Epidemiology Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Mary Lam **Session:** Semester 2 **Classes:** 2hrs lectures, 1hr tutorial/week **Assessment:** Two assignments (25% ea), 2hr exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt)Hons, UG Study Abroad Program.

This unit introduces students to epidemiology, through the study of historical aspects and design strategies in epidemiological research. This introduction includes measures of disease frequency and association, types of epidemiological studies; descriptive, case-control, cohort studies and quantitative aspects of epidemiological research. This unit also covers issues pertaining to screening tests, disease outbreaks, randomised controlled trials, surveillance and critical appraisal of documented research.

### HIMT3060

#### Essentials of Classifications A Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Anne Marks **Session:** Semester 2 **Classes:** 1hr lecture, 2hrs tutorial/week **Prerequisites:** HIMT3055 Casemix/Practical Coding **Assessment:** Two practical coding skills tests (25% ea), evaluation assignment/oral presentation/poster (50%) **Practical field work:** Students extend their practical skills developed in previous classification units by applying the ICD-10-AM in tutorials and independent learning exercises. Skill levels are increased by learning to abstract clinical statements from clinical discharge summaries and clinical records (intermediate complexity) and translate these statements into coded data. Emphasis is placed on building students' skills in selecting the principal diagnosis and sequencing of other diagnoses for reporting purposes. The Australian coding standards for ICD-10-AM are studied and applied in detail. Coded data are also analysed at a state and national level and data quality/limitations discussed **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt)Hons, UG Study Abroad Program.

This unit extends the theoretical knowledge and practical skills that students acquired in Classification Principles and HIMT3055 Casemix/Practical Coding. Clinical classification systems other than the ICD-10-AM are explored and students will learn how to evaluate them. They are given the opportunity to test their newly acquired evaluation skills when they work in teams to analyse a specific classification system. Important national and state data collections, notification systems and registration procedures that utilise ICD-10-AM coded data for planning and delivery of health care services are also examined (reinforcing knowledge acquired in Health Informatics B and laterally applying that knowledge from one perspective to another).

#### Textbooks

National Centre for Classification in Health, The International Statistical Classification of Diseases and Related Health Problems, Australian Modification (5th ed), NCH, Sydney (2006)

### HIMT3061

#### Legal Aspects of Health Care Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Ms Anne Marks **Session:** Semester 2 **Classes:** 2hrs lectures/week **Assessment:** Class tests (30%), 2hr final exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt)Hons, UG Study Abroad Program.

In this unit students study legal principles relating to health care. Topics covered include the origin and development of the structure of the court system, legal personnel and litigation, subpoena of witnesses and clinical records, the law of torts, rules of evidence, criminal law, law of contract and the Coroner's Court. This unit also addresses institutional legal responsibilities and covers Commonwealth and NSW legislation relating to health care systems; and policies incorporated within the NSW Department of Health Patient Matters Manual.

### HIMT3062

#### Managing Human Resources Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Anne Marks **Session:** Semester 2 **Classes:** On-campus, 3 days of lectures, block mode **Assessment:** Two assignments (10%, 40%), final exam (50%) **Campus:** Cumberland **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt)Hons, B Hlth Sc (Rehab Cng), B Hlth Sci, B Hlth Sci, M H I, B Hlth Sci, M H I M, UG Study Abroad Program.

This unit introduces the student to the human resource management function relevant to the work of a health services manager. Areas covered include recruitment and selection, staff appraisal, training and development and human resource planning. The implications of equal employment and affirmative action legislation to human resource management are also covered. The Australian industrial relations framework with particular emphasis on the current workplace focus and conflict resolution are covered. Students are taught how to prepare their own curriculum vitae, job application skills and interview techniques.

### HIMT3063

#### Health Informatics D Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Janelle Craig **Session:** Semester 2 **Classes:** 2hrs lectures/week **Assessment:** Essay (40%), team presentation (20%), report (40%) **Practical field work:** Demonstration of current health informatics initiatives will take place where relevant. This includes EHR vendor demonstrations **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt)Hons, UG Study Abroad Program.

This unit of study serves to consolidate and build upon the material covered in previous health informatics units. The focus of this unit is on contemporary health informatics/e-health initiatives taking place at local, national and international levels. The Electronic Health Record (EHR) is studied extensively in this unit of study, including business and technical architecture of the EHR, Australian Commonwealth state and territory approaches to an EHR and international developments in EHRs. The infrastructure to support e-health is addressed, with the 'building blocks' of privacy and security, standards and interoperability and identifiers being considered. Other relevant issues related to e-health are covered in this unit of study. These include the information and evidence needs of health care professionals, informatics and health care consumers an decision support technologies. Organisational people and social issues related to health informatics implementation and integration are covered as an important foundation for the socio-technical aspects of this discipline.

### HIMT4050

#### Essentials of Classification B Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Anne Marks **Session:** Semester 1 **Classes:** Block mode, three of 2 days **Assumed knowledge:** HIMT3060 Essentials of Classification A **Assessment:** 3 practical tests (30%, 30% and 40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt)Hons, UG Study Abroad Program.

Students consolidate and enhance their practical skills developed in previous classification units by applying the ICD-10 AM in tutorials

and independent learning exercises. Skill levels are challenged by learning to abstract clinical statements from complex clinical records and translating these statements into coded data. Emphasis is placed on building students' skills in locating clinical information for abstraction. Communications are also built through collaborative workshops designed to help students discuss complex coding problems effectively with health care professionals in the workplace. Wherever possible, students are encouraged to independently use computerised coding software when abstracting and coding and compare the coded output with the manual method.

#### Textbooks

National Centre for Classification in Health, The International Statistical Classification of Diseases and Related Health Problems. Australian Modification (4th ed), NCCH, Sydney (2004)

### HIMT4051

#### Financial Management in Health Services Health Sciences

**Credit points:** 6 **Session:** Semester 1 **Classes:** Block mode, three of 2 days **Assessment:** 1500 word essay (30%), 2000 word essay (40%), final exam (MCQ, SAQ) (30%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt)Hons.

This unit of study equips students with basic financial management skills. They learn of the financial issues and pressures facing the health care system from all levels (national, state, and local). Skills in recording basic financial transactions, preparing financial reports and budgets and communicating with specialist financial managers are acquired. Topics covered include a brief overview of the Australian health care system and the health status of Australians; private sector financing and health insurance issues; health funding models design; an introduction to health economics, the accounting process and budgeting.

### HIMT4052

#### Contemporary Issues: Health Info A Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Janelle Craig **Session:** Semester 1 **Classes:** 1hr lecture/week **Assessment:** Two essays, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt)Hons, UG Study Abroad Program.

This unit utilises case studies and guest lecturers to address the latest developments in the management of healthcare information. Knowledge and skills learned will be applied to real-world problems. Students will research selected topics culminating in written and oral presentations.

### HIMT4053

#### Contemporary Issues: Health Info B Health Sciences

**Credit points:** 12 **Session:** Semester 2 **Classes:** Block mode, three of 2 days **Assessment:** Two assignments (20% ea), literature review (60%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt)Hons, UG Study Abroad Program.

This unit is divided into two sections. The first section covers the skills needed to write a journal article that communicates effectively the latest concepts in health information management. The second part builds on the research carried out by the student in HIMT4052 Contemporary Issues in Health Information A by providing the foundation for the development of the research as a publishable paper.

### HIMT4054

#### Professional Practice C Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Anne Marks **Session:** Semester 2 **Classes:** Clinical experience **Prerequisites:** HIMT3056 Management Principles and Practice B, HIMT3058 Professional Practice B **Assessment:** Report (60%) supervisor's report (40%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (Hlth Inf Mgt)Hons.

This unit provides students with the opportunity to gain experience in the organisation and management of health information systems within or outside of the traditional medical record department. Students are able to select a placement in an area in which they have a particular interest.

### HIMT4055

#### Research Project I Health Sciences

**Credit points:** 12 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 1 **Classes:** Independent learning **Assessment:** Presentation of thesis **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Hlth Inf Mgt)Hons.

This unit provides honours students with the opportunity to develop a proposal to undertake an investigation in an area of specialised interest in health information management.

### HIMT4056

#### Research Project II Health Sciences

**Credit points:** 24 **Teacher/Coordinator:** Dr Joanne Callen **Session:** Semester 2 **Classes:** Independent learning **Assessment:** Presentation and thesis **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Hlth Inf Mgt)Hons.

During this unit the honours students will complete the investigation begun during HIMT4055 Research Project I. The student will prepare a written report suitable for submission to a refereed journal for publication. Full details of the requirements for this report can be found in the Discipline of Health Informatics Bachelor of Applied Science (Health Information Management) (Honours) guidelines, policy and procedures.

### HIUR2601

#### Hindi and Urdu Intermediate 1 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Allon **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** HIUR1002 or equivalent **Prohibitions:** HIUR2001 **Assessment:** Classwork (equivalent to 2700 words), exam (equivalent to 1800 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit will consolidate oral, aural and written language skills. The unit consists of consolidation and practice of oral language skills in complex situations, advanced course in grammar and reading a selection of short stories and poems.

### HIUR2602

#### Hindi and Urdu Intermediate 2 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Allon **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** HIUR2001 or HIUR2601 or equivalent **Prohibitions:** HIUR2002 **Assessment:** Classwork (equivalent to 2700 words), exam (equivalent to 1800 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is an extension of work done in HIUR2601. It will provide further consolidation of oral, aural and written language skills.

### HIUR3601

#### Hindi and Urdu Advanced 1 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Allon **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** HIUR2002 or HIUR2602 or equivalent **Prohibitions:** HIUR3001 **Assessment:** Classwork (equivalent to 2700 words), exam (equivalent to 1800 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit will concentrate on advanced oral, aural and written language skills. Students will be expected to write short essays in Hindi-Urdu relevant to the reading component of the unit.

### HIUR3602

#### Hindi and Urdu Advanced 2

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Allon **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** HIUR3001 or HIUR3601 or equivalent **Prohibitions:** HIUR3002 **Assessment:** Classwork (equivalent to 2700 words), exam (equivalent to 1800 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is an extension of work done in HIUR3601.

### HONS4000

#### Joint Honours

##### Pan-Faculty

**Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons).

This unit is used to record the Honours result when a student undertakes a Joint Honours course.

### HORT2002

#### Horticultural Science 2

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Jenny Jobling **Session:** Semester 2 **Classes:** (2 lec, 1x3hr prac/workshop)/wk **Prerequisites:** BIOL1001 and (BIOL1002 or BIOL1902) **Assumed knowledge:** (AFNR1001 and AFNR1002) or (HORT1001 and HORT1002) **Assessment:** One 2 hr exam (55%), 3 assignments and plant ID quiz (45%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Hort Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc Agr.

This course covers topics in three areas, firstly on the physiology of growth and development of fruit trees, with special attention to the winter/spring activities involved in orchard/vineyard establishment. Secondly there is a unit of the identification of horticultural plants that covers both theory and practical aspects. Thirdly the principles and practices of flower and nursery crop production. Plant identification will build on knowledge and skills learnt in AFNR1001 and AFNR1002 to provide students with a detailed foundation of plant use in ornamental horticulture, based around plant families. The students will gain important information about these aspects of the horticultural industry as well as research and enquiry skills through research based practical sessions and assignments.

##### Textbooks

Reference books: M.N. Westwood. Temperate-Zone Pomology: Physiology and Culture 3rd Edn (Timber Press, 1993)  
H.T. Hartmann, D.E. Kester, F.T. Davies & R.L. Geneve. Plant Propagation: Principles and Practices (Prentice Hall International 1997).

### HORT3005

#### Production Horticulture

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Jenny Jobling **Session:** Semester 1 **Classes:** (2 lec; 1x3hr prac/workshop)/wk **Prerequisites:** Two of PLNT2001, PLNT2901, PLNT2002, PLNT2902, PLNT2003, PLNT2903. **Assumed knowledge:** ((AFNR1001 and AFNR1002) or (HORT1001 and HORT1002)) and HORT2002. **Assessment:** One 3 hr exam (55%), three assignments (45%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hort Sc, B L W Sc, B Sc, B Sc Agr, UG Study Abroad Program.

This unit of study covers topics on the production of perennial fruit crops, wine grapes, the sustainable production of vegetables and it also covers the key aspects of the postharvest handling and quality assurance of fresh produce. At the end of this unit students are

expected to have a detailed understanding of these areas of horticulture and be able to discuss related literature and the physiological principles underlying the commercial success of these horticultural enterprises. Students will also gain research and enquiry skills through research based practical sessions and assignments.

##### Textbooks

Reference Books:

Loius Glowinski (1991) The complete Book of Fruit Growing in Australian. Lothian Books

Baxter, P. (1997) Growing Fruit In Australia. MacMillan Australia

Westwood, M.N. (1993) Temperate-Zone Pomology. Timber Press Inc.

### HORT4004

#### Issues in Horticultural Science 4A

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Robyn McConchie **Session:** Semester 1 **Classes:** 2 lectures per week for 13 weeks & 6 prac per 13 weeks **Prerequisites:** HORT3001 or HORT3004 **Assessment:** Exam (2 hr) (25%), plant ID practical quizzes (15%), consulting report (45%), seminar presentation (15%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hort Sc, B L W Sc, B Sc Agr, UG Study Abroad Program.

Students attend a series of discussion workshops on minimising the environmental impact of horticultural enterprises. It introduces students to current themes and thinking in sustainable practices in horticultural science, covering issues such as efficient water management, sustainable use of fertilizers, salinity, heavy metal pollution, disposal of plastics, integrated pest management and organic practices. Students also undertake an industry based case study analysis of a horticultural supply chain, designed to provide them with skills in data analysis and interpretation, problem identification and problem solving. In addition, students will add to their general knowledge of important horticultural plants and their uses through plant identification workshops.

### HORT4005

#### Research and Practice in Hort Science

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Professor David Guest **Session:** Semester 2 **Classes:** 2h tut/wk; one 1-week excursion **Prerequisites:** HORT3005 **Assessment:** Tutorial papers (30%); project proposal (10%); project report (50%); peer review (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hort Sc, B L W Sc, B Sc Agr, UG Study Abroad Program.

Upon completion of this unit, students will have participated in a major excursion and a series of discussion workshops based on prescribed readings that will broaden their appreciation of current research themes in horticultural science, industry issues, stimulate critical thinking, enhance professional research skills and give an insight into the career opportunities for horticultural scientists. Attendance at seminars, written reports and presentations made during these workshops will improve student skills in critical analysis and communication.

### HPSC1000

#### Bioethics

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Catherine Mills **Session:** Semester 1 **Classes:** One 1 hour and one 2 hour lecture and one 1 hour tutorial per week. **Prohibitions:** HPSC1900 **Assessment:** Short essays, tutorial work, tests **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This Junior unit of study is highly recommended to Intermediate and Senior Life Sciences students.*

**Associated degrees:** B A, B S T, B Sc, UG Study Abroad Program.

Science has given us nearly infinite possibilities for controlling life. Scientists probe the origins of life through research with stem cells and embryos. To unlock the secrets of disease, biomedicine conducts cruel experiments on animals. GM crops are presented as the answer to hunger. Organ transplantation is almost routine. The international traffic in human body parts and tissues is thriving. The concept of brain death makes harvesting organs ethically more acceptable. It

may also result in fundamental changes in our ideas about life. Science has provided new ways of controlling and manipulating life and death. As a consequence, difficult ethical questions are raised in increasingly complex cultural and social environments. This course will discuss major issues in the ethics of biology and medicine, from gene modification to Dolly the sheep. This unit will be introductory, but a small number of topical issues will be studied in depth. No scientific background beyond School Certificate level will be assumed.

*Textbooks*

Course reader

### HPSC1551

#### History & Philosophy of Science Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### HPSC1900

#### Bioethics (Advanced) Science

**Credit points:** 6 **Teacher/Coordinator:** HPS Staff **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial per week. **Prohibitions:** HPSC1000 **Assessment:** Tutorial work, essays, exam, tutorial participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

The topics covered by HPSC1000 - Bioethics will be treated in more depth, in a special tutorial set aside for Advanced students.

*Textbooks*

Course reader

### HPSC2100

#### The Birth of Modern Science Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Ofer Gal **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial per week. **Prerequisites:** 24 credit points of Junior units of study **Prohibitions:** HPSC2002, HPSC2900 **Assessment:** Short essays, tutorial work, tests. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Marine Science), UG Study Abroad Program.

Modern culture is a culture of science. Modern Western science is the outcome of a historical process of 2,500 years. In this course we investigate how Western knowledge-theoretical, technological and medical-acquired the characteristics of modern science: its specific social structure, contents, values and methods. We will look at some primary chapters of this process, from antiquity to the end of the seventeenth century, and try to understand their implications to understanding contemporary science in its culture. Special emphasis will be given to the scientific revolution of the seventeenth century, which is often described as the most important period in the history of science and as one of the most vital stages in human intellectual history.

*Textbooks*

Dear, Peter: Revolutionizing the Sciences: European Knowledge and Ambitions, 1500-1700. Princeton: Princeton University Press (2001)

Course reader

### HPSC2101

#### What Is This Thing Called Science?

### Science

**Credit points:** 6 **Teacher/Coordinator:** Dean Rickles **Session:** Semester 2, Summer Main **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 24 credit points of Junior units of study **Prohibitions:** HPSC2001, HPSC2901 **Assessment:** Short essays, tutorial work, tests. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Marine Science), UG Study Abroad Program, UG Summer/Winter School.

Philosophers of science aim to define what distinguishes creationism from evolutionary theory, or astrology from astronomy. They give reasons why we can believe that today's theories are improvements over those that preceded them and how we know that what we see and do in scientific practice reflects the nature of reality. This course critically examines the most important attempts to define the scientific method, to draw a line dividing science from non-science, and to justify the high status generally accorded to scientific knowledge. The philosophies of science studied include Karl Popper's idea that truly scientific theories are falsifiable, Thomas Kuhn's proposal that science consists of a series of paradigms separated by scientific revolutions; and Feyerabend's anarchist claim that there are no objective criteria by which science can be distinguished from pseudo-science. This unit of study also explores contemporary theories about the nature of science and explores ideas about the nature of the experimental method and concepts such as underdetermination, the nature of scientific explanation, theory confirmation, realism, the role of social values in science, sociological approaches to understanding science, and the nature of scientific change.

*Textbooks*

Alan F Chalmers. What Is This Thing Called Science? 3rd edition.

Course reader

### HPSC2551

#### History & Philosophy of Science Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B E, B Sc, B Sc (Marine Science).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### HPSC2552

#### History & Philosophy of Science Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B E, B Sc, B Sc (Marine Science).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### HPSC2553

#### History & Philosophy of Science Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B E, B Sc, B Sc (Marine Science).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**HPSC2554****History & Philosophy of Science Exchange Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**HPSC2555****History & Philosophy of Science Exchange Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**HPSC2900****The Birth of Modern Science (Advanced) Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Ofer Gal **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** Enrolment in the Talented Student Program or 24 credit points of Junior study with a Distinction average **Prohibitions:** HPSC2002, HPSC2100 **Assessment:** Short essays, tutorial work, tests. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Marine Science), UG Study Abroad Program.

The topics covered in 'The Birth of Modern Science' will be covered in more depth, in a special tutorial set aside for advanced students.

*Textbooks*

Henry, J. The Scientific Revolution and the Origins of Modern Science.  
Course reader

**HPSC2901****What Is This Thing Called Science? (Adv) Science**

**Credit points:** 6 **Teacher/Coordinator:** Dean Rickles **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** Enrolment in the Talented Student Program or 24 credit points of Junior study with a Distinction average **Prohibitions:** HPSC2002, HPSC2100 **Assessment:** Short essays, tutorial work, tests. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Marine Science), UG Study Abroad Program.

The topics covered in 'What is This Thing Called Science?' will be covered in more depth, in a special tutorial set aside for advanced students.

*Textbooks*

Alan F Chalmers. What Is This Thing Called Science? 3rd edition.  
Course reader

**HPSC3002****History of Biological/Medical Sciences Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Hans Pols **Session:** Semester 2 **Classes:** Two 1 hour lectures and two 1 hour tutorials per week. **Prerequisites:** At least 12 credit points of Intermediate HPSC units or Credit or better in at least 6 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units **Assumed knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101) **Assessment:** Short essays, presentation, tutorial

work, final essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, UG Study Abroad Program.

Throughout the ages people have been born, have died, and in between have lived in various stages of sickness or health. In this unit of study we shall look at how these states of being were perceived in different times and places throughout history, while at the same time noting the increasing medicalisation of everyday life, together with the irony that the "miracles" of modern medicine appear to have created a generation of the "worried well". Using this historical perspective, we shall ask how perceptions of sickness, health and the related provision of health care have been intertwined with social, political and economic factors and, indeed still are today.

*Textbooks*

Course reader

**HPSC3016****The Scientific Revolution Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Ofer Gal **Session:** Semester 2 **Classes:** Two 1 hour lectures and two 1 hour tutorials per week. Individual student consultation as required. **Prerequisites:** At least 12 credit points of Intermediate HPSC units or Credit or better in at least 6 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units. **Prohibitions:** HPSC3001, HPSC3106 **Assumed knowledge:** HPSC (2100 and 2101) or HPSC (2001 and 2002) **Assessment:** Take-home tests, short essays, tutorial participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit will not be offered every year.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc.

Modern Western science has a number of characteristics which distinguish it from other scientific cultures. It ascribes its tremendous success to sophisticated experiments and meticulous observation. It understands the universe in terms of tiny particles in motion and the forces between them. It is characterised by high-powered mathematical theorising and the rejection of any intention, value or purpose in Nature. Many of these characteristics were shaped in the 17th century, during the so called scientific revolution. We will consider them from an integrated historical- philosophical perspective, paying special attention to the intellectual motivations of the canonical figures of this revolution and the cultural context in which they operated. Topics will include: experimentation and instrumentation, clocks, mechanistic philosophy, and the changing role of mathematics.

*Textbooks*

Course reader

**HPSC3021****Philosophy and Sociology of Biology Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Dominic Murphy **Session:** Semester 1 **Classes:** Two 1 hour lectures and two 1 hour tutorials per week **Prerequisites:** At least 12 credit points of Intermediate HPSC units or Credit or better in at least 6 credit points of Intermediate HPSC units, and at least 24 credit points of Intermediate or Senior units. **Prohibitions:** HPSC3103 **Assumed knowledge:** HPSC (2100 and 2101) or HPSC (2001 and 2002). **Assessment:** Essays, take home tests, tutorial assessment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Sc.

The first part of this class examines the century of the gene from Darwin up to the present. We investigate the various conceptual changes that have occurred in this period, both directly within biology and within society at large. We will explore the disappearance of the Western Christian consensus, rivalries between scientists wedded to different theories and experimental practices, and the different approaches of evolutionary biology and molecular biology. It appears that the more we learn about genes the less agreement and certainty there is about what a gene really is. The second part of the course uses the idea of biological determinism and eugenics as an example of the interrelationships between science and society.

No previous study of biology is assumed.

*Textbooks*

Course reader

**HPSC3022****Science and Society  
Science**

**Credit points:** 6 **Teacher/Coordinator:** Dean Rickles **Session:** Semester 1  
**Classes:** Two 1 hour lectures and two 1 hour tutorials per week. **Prerequisites:**  
 At least 12 credit points of Intermediate HPSC units or Credit or better in at least  
 6 credit points of Intermediate HPSC units, and at least 24 credit points of  
 Intermediate or Senior units. **Prohibitions:** HPSC3003 **Assumed knowledge:**  
 HPSC (2100 and 2101) or HPSC (2001 and 2002). **Assessment:** Short essays,  
 tutorial work, presentation. **Campus:** Camperdown/Darlington **Mode of delivery:**  
 Normal (lecture/lab/tutorial) Day

*Note: This unit is a requirement for HPS majors.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc.  
 Science has become an essential element of Western societies. It is  
 impossible to imagine our lives today without the achievements of  
 science, technology, and medicine. Many scientists and laypeople  
 think that scientific knowledge transcends political, social, cultural,  
 and economic conditions. Sociologists of science think otherwise. In  
 this unit, we will investigate the nature of science, the position of  
 science in society, and the internal dynamics of science.

Sociologists of science have compared scientific knowledge to a ship  
 in a bottle: if you see the finished product, you can't understand how  
 it came about, and you can't believe that it is not what it claims to be:  
 the empirically-determined truth about the world. In this unit, we will  
 have a close look at some of these ships in bottles and examine how  
 they got there. When observing science-in-the-making, rather than  
 the finished product, the factors that influence science become much  
 clearer. We will introduce some of the most exciting and innovative ideas  
 about what science is and how it works by examining the sociological  
 and anthropological approaches to science that have become the  
 basis for research in the social studies of science, technology, and  
 medicine, including: the norms of science, scientists' images of  
 themselves, the boundaries between science and other subjects, the  
 rhetoric of scientific writing, laboratory work, science museums and  
 science in the media.

Textbooks

Course reader

**HPSC3023****Psychology & Psychiatry: History & Phil  
Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Hans Pols and Dr Fiona Hibberd  
**Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour tutorial per  
 week. **Prerequisites:** (at least 12 credit points of intermediate HPSC Units of  
 study) OR (a CR or above in one HPSC intermediate Unit of Study) OR (12  
 intermediate credit points in psychology). **Prohibitions:** PSYC3202 **Assumed  
 knowledge:** Basic knowledge about the history of modern science as taught  
 in HPSC2100 AND the principles of philosophy of science as taught in  
 HPSC2101 OR knowledge of the various sub-disciplines within Psychology.  
**Assessment:** Take-home essay (2500 words), one 2 hour exam, tutorial work.  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal  
 (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc,  
 Grad Dip Psych, UG Study Abroad Program.

Across the unit we examine one of the most interesting aspects of the  
 history and philosophy of science. Viz., the scientific practices and  
 assumptions involved in making human beings an object of study. We  
 will examine the ways in which psychologists and psychiatrists have  
 investigated human nature, the kinds of experimental approaches  
 they have developed to that end, the major controversies in this field,  
 and the basic philosophical assumptions that have been made in the  
 sciences of human nature. We investigate the developments of  
 psychological theories and investigative methods as well as the  
 development of psychiatric theory, treatment methods, and institutions.

Textbooks

Course reader

Leahey, TH (2004). A History of Psychology: Main currents in Psychological  
 Thought. Pearson. Upper Saddle River, N.J.

**HPSC3024****Science and Ethics****Science**

**Credit points:** 6 **Teacher/Coordinator:** HPS Staff **Session:** Semester 2  
**Classes:** Two 1 hour lectures and two 1 hour tutorials per week. **Prerequisites:**  
 At least 24 credit points of Intermediate or Senior units of study **Prohibitions:**  
 HPSC3007 **Assessment:** Short essays, tutorial work, tests. **Campus:**  
 Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This unit will not be offered every year.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B S  
 T, B Sc, UG Study Abroad Program.

Is science really neutral, impartial, and objective? Should it be? Or  
 should it tell us what is right, good, fair, or just? Does scientific  
 progress imply social progress and benefits for humanity? Are  
 scientists responsible when their discoveries are used for evil  
 purposes? Should the publication of dangerous discoveries be  
 prevented? What if the same discoveries might be used for beneficial  
 purposes as well?

In this unit, we give study possible answers to these questions by  
 examining the relationships between science and human values. We  
 consider the extent to which science is, or should be, influenced by  
 the values of scientists and the societies in which they operate. And  
 we question the extent to which science promotes or threatens the  
 good of humankind. Issues such as these are pursued via  
 philosophical examination of major historical episodes involving  
 weapons of mass destruction, Nazi medicine, cloning, mind control  
 in neuroscience, human experimentation and censorship. We also  
 examine contemporary developments in genetics and brain science.

This unit is for science and non-science students alike. It will be of  
 interest to anyone concerned about the social responsibilities of  
 scientists, matters of science policy, and relationships between science  
 and society.

Textbooks

Course reader

**HPSC3551****History & Philosophy of Science Exchange  
Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int,  
 Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester  
 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal  
 (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission  
 is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc  
 (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange  
 Program studying at an overseas university.

**HPSC3552****History & Philosophy of Science Exchange  
Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int,  
 Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester  
 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal  
 (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission  
 is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc  
 (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange  
 Program studying at an overseas university.

**HPSC3553****History & Philosophy of Science Exchange  
Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int,  
 Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester  
 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal  
 (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission  
 is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc  
 (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### HPSC4101 Philosophy of Science Science

**Credit points:** 6 **Teacher/Coordinator:** Dean Rickles **Session:** Semester 1  
**Classes:** One 2 hour seminar per week, individual consultation. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** Written assignments, seminar participation. **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Med Sc (Hons), B S T (Hons), B Sc (Hons), Grad Cert Sc (H P S), UG Study Abroad Program.

The success of science in enabling us to manipulate the natural world has been so surprising, so often, that it has caused many individuals to revise a large part of their pre-scientific philosophical and religious consensus. Something very important is going on, and a number of fascinating philosophical topics emerge when we try to analyse what it is. Working backwards from the success of an epistemological enterprise offers a fruitful way to do philosophy, and, reciprocally, our philosophical insights help to clarify the contentious question of what it means to claim that science is successful.

This unit investigates the relationships between scientific theories and evidence, and the relationships between scientific theories. Participants will have an opportunity to relate the successes and failures of specific sciences to contemporary philosophical debates. Each week the seminar will discuss a piece of philosophical theory in the light of examples from particular sciences. Technical topics will be covered, but very little background knowledge will be assumed.

*Textbooks*

Blackburn S., The Oxford Dictionary of Philosophy, and course reader.

### HPSC4102 History of Science Science

**Credit points:** 6 **Teacher/Coordinator:** Ofer Gal **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** Essays, seminar participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Med Sc (Hons), B S T (Hons), B Sc (Hons), Grad Cert Med Hum, Grad Cert Sc (H P S), Grad Dip Med Hum, M Lib Stud, M Med Hum, PG Coursework Exchange, UG Study Abroad Program.

This unit explores major episodes in the history of science as well as introducing students to historiographic methods. Special attention is paid to developing practical skills in the history and philosophy of science.

*Textbooks*

Course reader

### HPSC4103 Sociology of Science Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Hans Pols **Session:** Semester 2 **Classes:** One 2 hour seminar per week, individual consultation. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** Essays, fieldwork report, seminar participation mark. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Med Sc (Hons), B S T (Hons), B Sc (Hons), Grad Cert Med Hum, Grad Cert Sc (H P S), Grad Dip Med Hum, M Lib Stud, M Med Hum, UG Study Abroad Program.

This unit explores recent approaches in the social studies of scientific knowledge. Students evaluate various sociological approaches by

conducting their own research on topics relevant to their own major thesis.

The unit starts with an overview of the development of history and philosophy of science since 1945, to put the emergence of the sociology of science into perspective, before moving on to a selection of readings from the field. Topics will include: the strong program critique of traditional philosophy of science, the sociology of technology, the impact of feminism on the study of science, and the actor-network approach developed by Bruno Latour and Michel Callon.

*Textbooks*

Course reader

### HPSC4104 Recent Topics in HPS Science

**Credit points:** 6 **Teacher/Coordinator:** HPS Staff **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week, individual consultation. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** Essays, seminar participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Med Sc (Hons), B S T (Hons), B Sc (Hons), Grad Cert Sc (H P S), PG Coursework Exchange, UG Study Abroad Program.

An examination of one area of the contemporary literature in the history and philosophy of science. Special attention will be paid to development of research skills in the history and philosophy of science.

*Textbooks*

Course reader

### HPSC4105 HPS Research Methods Science

**Credit points:** 6 **Teacher/Coordinator:** Hans Pols **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week, individual consultation. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** Literature review, archival research project, seminar participation mark, short essays. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Med Sc (Hons), B S T (Hons), B Sc (Hons), Grad Cert Sc (H P S).

Adopting a seminar style, this unit provides students with an advanced knowledge of the skills necessarily to conduct their own original research in the sociology, history and philosophy of science. Participants will be given a weekly set of core readings, and specialists both from within the Unit and from outside will present their views on the topic in question. This presentation will form the basis for a discussion involving the students, the academic members of the Unit, and invited speakers.

Topics will include: the use of case studies in the philosophy of science, how to conduct oral history projects, institutional history, and sociological methodology.

*Textbooks*

Course reader

### HPSC4108 Core topics: History & Philosophy of Sci Science

**Credit points:** 6 **Teacher/Coordinator:** HPS staff. **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Prohibitions:** Not available to students who have completed a major in History and Philosophy of Science or an equivalent program of study at another institution. **Assessment:** Essays, seminar presentations, seminar participation mark. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*



**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc (Hons), B S T (Hons), B Sc (Hons), Grad Cert Sc (H P S), PG Coursework Exchange.

An intensive reading course, supported by discussion seminars, in the main figures and events of the 'Scientific Revolution' of the 16th to 18th centuries, in the leading historiographic interpretations of the scientific revolution and in the use of episodes in the scientific revolution as evidence for the philosophies of science of Karl Popper, Imre Lakatos, Thomas Kuhn and contemporary authors.

*Textbooks*  
Course reader

### HPSC4201 HPS Research Project 1 Science

**Credit points:** 6 **Teacher/Coordinator:** HPS Staff **Session:** Semester 1, Semester 2 **Classes:** Weekly individual supervision, fortnightly 90-minute research seminars. **Prerequisites:** Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). **Prohibitions:** HPSC4106, HPSC4107 **Assumed knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101) **Assessment:** HPSC4201, HPSC4202, HPSC4203 and HPSC4204 are jointly assessed by a research thesis of up to 15,000 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Med Sc (Hons), B S T (Hons), B Sc (Hons), Grad Cert Sc (H P S).

Research into a topic in history, philosophy or sociology of science under the supervision of one or more members of the HPS staff.

### HPSC4202 HPS Research Project 2 Science

**Credit points:** 6 **Teacher/Coordinator:** HPS Staff **Session:** Semester 1, Semester 2 **Classes:** Weekly individual supervision, fortnightly 90-minute research seminars. **Prerequisites:** Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). **Prohibitions:** HPSC4106 and HPSC4107 **Assumed knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101) **Assessment:** HPSC4201, HPSC4202, HPSC4203 and HPSC4204 are jointly assessed by a research thesis of up to 15,000 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Med Sc (Hons), B S T (Hons), B Sc (Hons).

Research into a topic in history, philosophy or sociology of science under the supervision of one or more members of the HPS staff.

### HPSC4203 HPS Research Project 3 Science

**Credit points:** 6 **Teacher/Coordinator:** HPS Staff **Session:** Semester 1, Semester 2 **Classes:** Weekly individual supervision, fortnightly 90-minute research seminars. **Prerequisites:** Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). **Prohibitions:** HPSC4106, HPSC4107 **Assumed knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101) **Assessment:** HPSC4201, HPSC4202, HPSC4203 and HPSC4204 are jointly assessed by a research thesis of up to 15,000 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Med Sc (Hons), B S T (Hons), B Sc (Hons).

Research into a topic in history, philosophy or sociology of science under the supervision of one or more members of the HPS staff.

### HPSC4204 HPS Research Project 4 Science

**Credit points:** 6 **Teacher/Coordinator:** HPS Staff **Session:** Semester 1, Semester 2 **Classes:** Weekly individual supervision, fortnightly 90-minute research seminars. **Prerequisites:** Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). **Prohibitions:** HPSC4106, HPSC4107 **Assumed knowledge:** HPSC (2001 and 2002) or HPSC (2100 and 2101) **Assessment:** HPSC4201, HPSC4202, HPSC4203 and HPSC4204 are jointly assessed by a research thesis of up to 15,000 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Med Sc (Hons), B S T (Hons), B Sc (Hons).

Research into a topic in history, philosophy or sociology of science under the supervision of one or more members of the HPS staff.

### HPSC4999 History & Philosophy of Science Honours Science

**Session:** Semester 1, Semester 2 **Prerequisites:** Available only to students admitted to HPS Honours. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Med Sc (Hons), B S T (Hons), B Sc (Hons).

All students in History and Philosophy of Science Honours must enrol in this non-assessable unit of study in their final semester.

### HRTG2601 Approaching Heritage Studies Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Annie Clarke **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** At least 18 junior credit points **Prohibitions:** HRTG2001 **Assessment:** one 2000 word essay, one 2500 word project report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit of study examines the historical, theoretical and political issues associated with the interpretation of cultural heritage, historic sites and landscapes. Students are offered an overview of the heritage industry and Heritage Studies. This unit of study engages with policies, and associated professional practices such as conservation and preservation and their impacts on culture and community. Issues specific to Australia such as Indigenous land claims are examined in the context of international debates.

### HRTG2602 The Museum and Cultural Heritage Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Annie Clarke **Session:** Semester 2 **Classes:** one 3 hour lecture per week **Prerequisites:** HRTG2001 or HRTG2601 or ARHT2034 or ARHT2634 **Prohibitions:** HSTY2022 **Assessment:** one 2000 word essay, one tutorial presentation and one 2000 word tutorial paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

The Museum and Cultural Heritage provides an historical, theoretical and political overview of the development of museums as they relate to the collection and display of cultural heritage. This unit of study introduces key debates on the historical development of the museum as an idea and as an institution. The social and cultural roles of museums and relationships between the identification of cultural heritage, its interpretation and display will be examined.

### HRTG2804 Heritage Studies Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

### HRTG2805 Heritage Studies Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

**HRTG2806****Heritage Studies Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

**HRTG2809****Heritage Studies Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

**HRTG2810****Heritage Studies Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

**HRTG3602****Social History and Heritage Studies****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Annie Clarke **Session:** Semester 2  
**Classes:** one 2 hour seminar per week **Prerequisites:** HRTG2001 or HRTG2601 or ARHT2034 or ARHT2634 **Prohibitions:** HRTG3002  
**Assessment:** one 3000 word research project, seminar presentation and 3000 word seminar paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit of study examines the relationship between heritage studies and social history. It will explore issues of social history as they are represented in heritage studies and practices. International and historical debates about the way in which social history is used in heritage studies to develop new interpretations of the past will also be considered.

**HSBH1003****Health, Behaviour and Society****Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Dr Steven Cumming **Session:** Semester 1  
**Classes:** 4hrs lectures/week **Prohibitions:** BACH1130 Foundations of Health Sociology, BACH1132 Foundation of Psychology for the Health Sciences, BACH1133 Introduction to Health Psychology, BACH1134 Health, Illness and Social Inquiry **Assessment:** 1hr in-class essay (17.5%), 1000 word essay mid semester (25%), end semester exam (57.5%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT), B App Sc (Phty), B Hlth Sc (Hons), B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M H I M, B Hlth Sci, M N, B Hlth Sci, M Rehab Cing, B O H.

This unit provides an introduction to areas of behavioural and social sciences relevant to health and wellbeing. The unit lays the foundation of theory and method necessary for understanding how broad social and organisational structures as well as individual characteristics and behaviours contribute to health and health inequalities.

**HSBH1005****Human Development****Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Dr Andrew Campbell **Session:** Semester 2  
**Classes:** 1hr lecture & 1hr tutorial/week **Assessment:** Project (20%), seminar presentation (20%), 1000 word essay (20%), 2hr exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Hons), B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M H I M, B Hlth Sci, M N, B Hlth Sci, M Rehab Cing, B O H.

This unit of study considers the important psychosocial and functional changes that occur across the lifespan from gestation to old age. Psychosocial factors important for understanding major national health priority areas such as asthma, mental health, cardiovascular disease, arthritis and musculoskeletal disease, cancer, injury, and diabetes across the lifespan are considered.

**HSBH1006****Foundations of Health Science****Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Lynne Harris **Session:** Semester 1  
**Classes:** Two 1hr lectures, 1hr tutorial/week and WebCT online learning support **Assessment:** Library skills test (10%), case study (20%), literature review (30%), final 2hr exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M H I, B Hlth Sci, M N, B Hlth Sci, M Rehab Cing, B O H, UG Study Abroad Program.

This is an introductory unit for students entering the health sciences. This unit aims to expose students to a range of definitions of health, and key concepts in health and health systems. Students will develop a range of core skills and competencies needed in the study and practice of health sciences and a basis for work practice in the health system or for postgraduate study. Topics include: What is health?; How is health status classified?; Biomedical, psychological and sociological aspects of health and health care; What 'should' a health care system do?; How do we measure health status in an individual, a community and a nation? An integrated sciences model of health care is explored which covers the five domains of biological, behavioural, cognitive, socio-cultural and environmental.

**HSBH1007****Health Science and Research****Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Ms Karen Pepper **Session:** Semester 1, Semester 2  
**Classes:** Two 1hr lectures, 1hr tutorial/week and WebCT online learning support **Assessment:** 2000 word written report (40%), 90min MCQ/SAQ exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex & Sp Sc), B App Sc (OT), B App Sc (Phty), B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M H I, B Hlth Sci, M N, B Hlth Sci, M Rehab Cing, B O H, UG Study Abroad Program.

This unit introduces students to key research paradigms in health, and to the major approaches to designing and evaluating basic and applied research in health. Students are exposed to the types of research which inform our understanding of normal and abnormal functions of the human body and of treatment and preventative health care. Students will be engaged in the generation of new knowledge through evidenced based practice and evidence based innovation. Current issues in health science research will be identified, with emphasis on the role of technology in health and e-health.

**HSBH1008****Health Determinants and Interventions****Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Dr Toni Schofield **Session:** Semester 2  
**Classes:** Two 1hr lectures, 1hr tutorial/week and WebCT online learning support **Assessment:** Project (20%), seminar presentation (20%), 1000 word essay (20%), 2hr exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex & Sp Sc), B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M H I, B Hlth Sci, M N, B Hlth Sci, M Rehab Cing, B O H, UG Study Abroad Program.

This unit has two components. Health Determinants will introduce students to the key factors determining health status in the Australian context. It will explore biomedical and genetic factors, acquired health behaviours, and social, cultural and environmental determinants of health status. Health and wellbeing will be explored through life expectancy, functioning, disability, illness, disease and injury. Initiatives to promote preventable hospitalisation and increased health and wellbeing across population groups will be examined. Health Interventions outlines the distinction between primary and secondary prevention and examines the evidence base for a range of intervention

strategies including public health, preventative and restorative health care. Traditional interventions to promote outcomes through prevention, health promotion, treatment, care, rehabilitation and counselling will be explored alongside complementary and alternative medical (CAM). Healthy ageing and age-related illness will be highlighted.

### HSBH1009

#### Health Care Resources and Systems Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 2 **Classes:** Two 1hr lectures, 1hr tutorial/week and WebCT online learning support **Assessment:** Teamwork project (30%), assignment (30%), 2hr MCQ/SAQ exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M H I, B Hlth Sci, M N, B Hlth Sci, M Rehab Cng, B O H, UG Study Abroad Program.

This unit explores the organisation and structure of health care delivery systems. National and international frameworks regarding the provision of services to minority and culturally diverse groups, health care policy frameworks, and health care service structure and models of health care funding will be examined. Specifically, students will view the globalisation of health through human, material, financial, research, evaluation, monitoring, surveillance and technology. Issues of communication, advocacy and service delivery in teams will be examined. Safety and quality in health care systems will be highlighted.

#### Textbooks

Taylor S, Foster M and Fleming J, Health Care Practice in Australia: Policy, Context and Innovations, Oxford UP, South Melbourne (2008)

### HSBH2001

#### Health Science and Research 2 Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Rob Heard **Session:** Semester 1 **Classes:** Two 2hrs/week mix of face-to-face, web-based learning and self-directed learning **Prerequisites:** HSBH1001 Health, Science and Research 1 **Assessment:** 1500 word individual assignment (25%), 1500 word group assignment (25%), exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sci, B Hlth Sci, M H I M, UG Study Abroad Program.

This unit of study extends the study of research paradigms in health. Students develop skills in designing research studies to answer questions, and in analysing and evaluating health research findings.

### HSBH3001

#### Health and Indigenous Populations Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Freidoon Khavarpour **Session:** Semester 2 **Classes:** Two 1hr lectures, one 1hr tutorial/week **Assessment:** Short essay (20%), media and data analysis (20%), report analysis (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M H I, B Hlth Sci, M N, B Hlth Sci, M Rehab Cng, UG Study Abroad Program.

This unit of study aims to provide students with an insight and respect for Indigenous perspectives on health and health care. This unit also explores established theories about health and illness from western and non-western perspectives.

The complexity of Aboriginal and Torres Strait Islander health in rural, remote and urban contexts in Australia will be explored. Health of other Indigenous populations outside Australia and their complexities provide a global focus across several cultures. This unit also explores established theories about health and illness from western and non-western perspectives.

### HSBH3003

#### Health Service Strategy and Policy Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Kate O'Loughlin **Session:** Semester 2 **Classes:** Two 1hr lectures, one 1hr tutorial/week **Assessment:** Assignment

(40%), exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M H I, B Hlth Sci, M N, B Hlth Sci, M Rehab Cng, UG Study Abroad Program.

This unit of study offers students an insight into the larger picture of how a nation sets priorities for health services. The importance of evidence-based health policy development in planning health services will be highlighted. Strategies for increasing the cost-effectiveness of health services will be covered. Issues of communication and advocacy in health are portrayed. Students will gain skills in health service needs assessment, measuring cost-effectiveness, macroeconomic evaluation of health services and systems and health equity assessment.

### HSBH3004

#### Health, Ethics and the Law Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Rose Leontini **Session:** Semester 1 **Classes:** Two 1hr lectures, one 1hr tutorial/week **Assessment:** Seminar participation (10%), weekly journal (30%), group presentation (30%), end semester exam (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Hons), B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M H I, B Hlth Sci, M N, B Hlth Sci, M Rehab Cng, B Hlth Sci, M Rehab Cng, UG Study Abroad Program.

This unit of study outlines the legislative role of governments and the role of legislation in health and health services. Fundamental ethical principles applied to ethical issues in health and health research are covered. Medico-legal aspects of health and health services as well as standards and medico-legal privacy principles will be explored. Students will develop an understanding of professionally acceptable behaviours appropriate to practice in the health professions.

### HSBH3006

#### Research Methods in Health Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Tatjana Seizov-Cajic **Session:** Semester 1 **Classes:** Two 1hr lectures, one 1hr tutorial/week **Prerequisites:** HSBH1007 Health Science and Research or HSBH1001 or equivalent **Assessment:** Assessment, various weeks (15%), assignment 2 (20%), assignment 3 (30%), exam (35%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M H I, B Hlth Sci, M N, B Hlth Sci, M Rehab Cng, UG Study Abroad Program.

The aim of this unit is to provide a foundation for critical appraisal of techniques used in health research. The major quantitative and qualitative techniques appropriate for analysing research data in an evidence-based practice environment will be studied. The focus of this unit will be on research methodology that promotes the integration of health-relevant disciplinary perspectives.

### HSBH3009

#### International Health Project Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Zakia Hossain **Session:** Semester 2 **Classes:** Three 1hr lectures, one 1hr tutorial/week for 3 weeks, independent learning package with email support during work placement **Assessment:** Project development, project report **Practical field work:** Work placement in a developing country **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M H I, B Hlth Sci, M N, B Hlth Sci, M Rehab Cng, UG Study Abroad Program.

This unit examines health, illness and health care issues from international perspectives. The unit focuses on global burden of disease, global governance, structural adjustment program and ITRIP and their implications at national and international level. It integrates organisational dimensions, changing patterns of global economy, restructuring of health care and socio-cultural approaches to international health. The unit uses both theoretical and practical approaches. At the practical level, students will be expected to have work experience for eight weeks in a developing country. During this work experience they are expected to develop a series of alternate

approaches in a problem solving project related to health and health care policies. The project will be selected from the WHO priority areas of health and global burden of disease. The project will focus on the following: global health problems and local solutions; burden of diseases, health care system and policy implementation from global perspective; and the role of international organisations in health promotion

*Textbooks*

Book of readings

### HSBM1002

#### Principles of Human Body Systems A

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Gary Lee **Session:** Semester 2  
**Classes:** 3hrs lectures, 1hr practical/wk **Prerequisites:** HSBM1001 Biochemistry and Human Biology **Assessment:** 1hr mid semester exam (MCQ) (38%), 1hr end semester exam (MCQ) (22%), 2hr end semester exam (MCQ) (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Hons), B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M H I M, B Hlth Sci, M N, B Hlth Sci, M Rehab Cng, B O H.

This unit of study will present the gross anatomy, physiological histology and physiology of the cardiovascular, respiratory, gastrointestinal and immune systems. The pathophysiology and pharmacology of these body systems will also be examined. Particular emphasis will be placed on an understanding of the major national health priority areas such as cardio-vascular disease, cancer and asthma as they occur across the lifespan.

### HSBM1003

#### Principles of Human Body Systems B

##### Health Sciences

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1hr lectures, 2hr practical/tutorial/week **Prerequisites:** HSBM1001 Biochemistry and Human Biology **Prohibitions:** BIOS1158 Structure Function and Disease B **Assessment:** 30min exam (20%), 2hr exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Hons), B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M H I M, B Hlth Sci, M N, B Hlth Sci, M Rehab Cng, B O H.

This unit of study will present the gross anatomy, functional histology and physiology of the renal, reproductive, endocrine, musculoskeletal and nervous systems. The pathophysiology and pharmacology of these body systems will also be examined. Particular emphasis will be placed on an understanding of the major national health priority areas such as diabetes, arthritis and musculoskeletal diseases and mental health as they occur across the lifespan.

*Textbooks*

Seeley, Stephens and Tate (eds), Anatomy and Physiology, McGraw Hill (2000)

### HSBM4001

#### Sexology/Sexual Hlth: Global Perspective

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Patricia Weerakoon, Dr Gomathi Sitharthan **Session:** Semester 1 **Classes:** Web based on Web CT6 platform. No on-campus attendance required **Assessment:** All assessments will be completed and submitted online. Assessment 1, 500-800 word reflective report on values and attitudes to sexology, wk 2 (10%); assessment 2, group work and submission of 1000 word report, wk 6 (20%); assessment 3, group work and submission of 1000 word report, wk 9 (20%); assessments 4 and 5, 2000-2500 word independent reports on two selected scenarios with an appropriate experiential community-based activity, due exam week (50%) **Campus:** Cumberland **Mode of delivery:** Distance Education

*Note: This unit of study will be offered as a University wide elective*

The unit provides students with an overview of sexology as a science and a profession in a global context. Students will work in a multi professional, multicultural environment and develop an awareness of sexology and sexual health as an integral part of life and wellbeing that transcends discipline and professional groups as well as geographic and cultural boundaries. Students will be sensitised to the range of sex attitudes and values in the community. The initial learning modules in the unit will introduce the students to the multidisciplinary

nature of the study of sex. The students will then apply this multidisciplinary framework to a series of scenarios that explore issues of sexology at personal, family, community, country and global levels. These scenarios will include: sexual dysfunction and management through the lifecycle; issues of gender concerns including transgender and homosexuality; women's health including gender inequalities; HIV, AIDS and other sexually transmissible infections; adolescent sex education and sexual risk taking behaviour; sex in illness, people with a disability and the aged. Students will evaluate the most recent literature in the area and demonstrate the ability to discuss relevant issues in keeping with the definitions of sexual rights provided by the World Health Organisation (WHO) and the World Association of Sexology (WAS). All students will work in groups on two scenarios (the specific scenarios for the group work will vary depending on current national and global issues). Individual students will select two other scenarios to investigate independently. These individual assignments will have an experiential community based component. Sexuality and sexology is intrinsic to the wellbeing and quality of life of all people, and this unit of study would benefit students in all disciplines of the university.

*Textbooks*

Collected readings provided online

### HSEL2102

#### Health Science Elective 1

##### Health Sciences

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sci.

### HSEL2103

#### Health Science Elective 5

##### Health Sciences

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sci.

### HSEL2104

#### Health Science Elective 9

##### Health Sciences

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sci.

### HSEL2106

#### Health Science Elective 13

##### Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sci.

### HSEL2112

#### Health Science Elective 33

##### Health Sciences

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sci.

### HSEL2113

#### Health Science Elective 34

##### Health Sciences

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*





**HSIP2999****International Professional Practice  
Health Sciences****Session:** S1 Late Int, S2 Late Int **Campus:** Cumberland **Mode of delivery:** Professional Practice*Note: Department permission required for enrolment.***Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (OT), B App Sc (Phy).

This unit of study identifies professional practice undertaken overseas and relates to the normal fieldwork/clinical placement/professional practice unit of study in your program. This unit of study can only be undertaken with the approval of the relevant Clinical Coordinator.

**HSIP3999****International Professional Practice  
Health Sciences****Session:** S1 Late Int, S2 Late Int **Campus:** Cumberland **Mode of delivery:** Professional Practice*Note: Department permission required for enrolment.***Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (OT), B App Sc (Phy).

This unit of study identifies professional practice undertaken overseas and relates to the normal fieldwork/clinical placement/professional practice unit of study in your program. This unit of study can only be undertaken with the approval of the relevant Clinical Coordinator.

**HSIP4999****International Professional Practice  
Health Sciences****Session:** S1 Late Int, S2 Late Int **Campus:** Cumberland **Mode of delivery:** Professional Practice*Note: Department permission required for enrolment.***Associated degrees:** B App Sc (Hlth Inf Mgt), B App Sc (OT), B App Sc (Phy).

This unit of study identifies professional practice undertaken overseas and relates to the normal fieldwork/clinical placement/professional practice unit of study in your program. This unit of study can only be undertaken with the approval of the relevant Clinical Coordinator.

**HSSX2801****Health Sciences Exchange  
Health Sciences****Credit points:** 6 **Teacher/Coordinator:** Relevant course coordinator **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day*Note: Department permission required for enrolment.*

Students enrolled at the University of Sydney who wish to take the equivalent of a 6 credit point unit of study at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the course coordinator within the relevant degree.

**HSSX2802****Health Sciences Exchange  
Health Sciences****Credit points:** 6 **Teacher/Coordinator:** Relevant course coordinator **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day*Note: Department permission required for enrolment.*

Students enrolled at the University of Sydney who wish to take the equivalent of a 6 credit point unit of study at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the course coordinator within the relevant degree.

**HSSX2803****Health Sciences Exchange  
Health Sciences****Credit points:** 6 **Teacher/Coordinator:** Relevant course coordinator **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day*Note: Department permission required for enrolment.*

Students enrolled at the University of Sydney who wish to take the equivalent of a 6 credit point unit of study at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the course coordinator within the relevant degree.

**HSSX2804****Health Sciences Exchange  
Health Sciences****Credit points:** 6 **Teacher/Coordinator:** Relevant course coordinator **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day*Note: Department permission required for enrolment.*

Students enrolled at the University of Sydney who wish to take the equivalent of a 6 credit point unit of study at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the course coordinator within the relevant degree.

**HSSX3801****Health Sciences Exchange  
Health Sciences****Credit points:** 6 **Teacher/Coordinator:** Relevant course coordinator **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day*Note: Department permission required for enrolment.*

Students enrolled at the University of Sydney who wish to take the equivalent of a 6 credit point unit of study at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the course coordinator within the relevant degree.

**HSSX3802****Health Sciences Exchange  
Health Sciences****Credit points:** 6 **Teacher/Coordinator:** Relevant course coordinator **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day*Note: Department permission required for enrolment.*

Students enrolled at the University of Sydney who wish to take the equivalent of a 6 credit point unit of study at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the course coordinator within the relevant degree.

**HSSX3803****Health Sciences Exchange  
Health Sciences****Credit points:** 6 **Teacher/Coordinator:** Relevant course coordinator **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day*Note: Department permission required for enrolment.*

Students enrolled at the University of Sydney who wish to take the equivalent of a 6 credit point unit of study at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the course coordinator within the relevant degree.

**HSSX3804****Health Sciences Exchange  
Health Sciences****Credit points:** 6 **Teacher/Coordinator:** Relevant course coordinator **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day*Note: Department permission required for enrolment.*

Students enrolled at the University of Sydney who wish to take the equivalent of a 6 credit point unit of study at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the course coordinator within the relevant degree.

## HSSX4801

### Health Sciences Exchange Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Relevant course coordinator **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

Students enrolled at the University of Sydney who wish to take the equivalent of a 6 credit point unit of study at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the course coordinator within the relevant degree.

## HSSX4802

### Health Sciences Exchange Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Relevant course coordinator **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

Students enrolled at the University of Sydney who wish to take the equivalent of a 6 credit point unit of study at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the course coordinator within the relevant degree.

## HSSX4803

### Health Sciences Exchange Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Relevant course coordinator **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

Students enrolled at the University of Sydney who wish to take the equivalent of a 6 credit point unit of study at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the course coordinator within the relevant degree.

## HSSX4804

### Health Sciences Exchange Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Relevant course coordinator **Session:** Semester 1, Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

Students enrolled at the University of Sydney who wish to take the equivalent of a 6 credit point unit of study at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the course coordinator within the relevant degree.

## HSTO3001

### Microscopy & Histochemistry Theory Medicine

**Credit points:** 6 **Teacher/Coordinator:** Robin Arnold, Prof. Chris Murphy **Session:** Semester 1 **Classes:** Usually four 1 hour lectures per week plus some tutorials **Prerequisites:** (ANAT2008 or ANAT2001) or (BMED 2803 or 2804 or 2805 or 2806) **Corequisites:** HSTO3002 **Assumed knowledge:** Basic understanding of biology. **Assessment:** One 2 hour theory exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

The aims of this unit of study are to provide a theoretical understanding of why biological tissues need to be specifically prepared for microscopic examination, how differing methods yield different types of morphological information; to allow students to study the theory of different types & modalities of microscopes, how they function & the differing information they provide; to develop an understanding of the theory of why biological material needs to be stained for microscopic examination; to allow students to understand how biological material

becomes stained; to develop an understanding of the chemical information provided by biological staining - dyes, enzymes & antibodies.

*Textbooks*

Keirnan, J.A. Histological & Histochemical Methods 4th Edition, 2008, Scion.

## HSTO3002

### Microscopy & Histochemistry Practical Medicine

**Credit points:** 6 **Teacher/Coordinator:** Robin Arnold, Prof. Chris Murphy **Session:** Semester 1 **Classes:** Usually 5.5 hours practical per week **Prerequisites:** (ANAT2008 or ANAT2001) or (BMED 2803 or 2804 or 2805 or 2806) **Corequisites:** HSTO3001 **Assumed knowledge:** Basic understanding of biology. **Assessment:** One 1.5 hour practical exam, 1 practical report, essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

The aims of this unit of study are to provide a practical understanding of why biological tissues need to be specifically prepared for microscopic examination, to apply different methods to gain different types of morphological information; to allow students to learn to use the different types & modalities of microscopes: to gain first hand experience of how they function & see for themselves the differing information they provide; to learn to stain biological material for microscopic examination; applying their theoretical knowledge & to allow students to develop practical skills in diverse histochemical staining procedures - dyes, enzymes & antibodies.

*Textbooks*

Keirnan, J.A. Histological & Histochemical Methods 4th Edition. Scion. 2008.

## HSTO3003

### Cells and Development: Theory Medicine

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Frank Lovicu **Session:** Semester 2 **Classes:** Four 1 hour theory lectures and one 1 hour tutorial per week. **Prerequisites:** For BSc students: ANAT2008 For BMedSc students: 42 credit points of Intermediate BMED units, including: BMED2801, 2802, 2805. **Prohibitions:** EMHU3001, EMHU3002 **Assumed knowledge:** (i) An understanding of the basic structure of vertebrates; (ii) An understanding of elementary biochemistry and genetics. **Assessment:** One 2 hour exam, tutorial research papers. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: The completion of 6 credit points of MBLG is highly recommended.*

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

The main emphasis of this unit of study concerns the mechanisms that control animal development. Fertilisation, cleavage, gastrulation and the formation of the primary germ layers are described in a range of animals, mainly vertebrates. Much of the emphasis will be placed on the parts played by inductive cell and tissue interactions in cell and tissue differentiation, morphogenesis and pattern formation. This will be studied at both cellular and molecular levels.

*Textbooks*

Gilbert SF Developmental Biology. 8th edn. Sinauer Associates Inc: Sunderland, Mass. 2006.

## HSTO3004

### Cells and Development: Practical (Adv) Medicine

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Frank Lovicu **Session:** Semester 2 **Classes:** One 1 hour tutorial and two 2 hour practicals per week. **Prerequisites:** Note: This advanced unit of study is only available to select students who have achieved a mark of 65 or above in the following prerequisite units of study. For BSc students: ANAT2008. For BMedSc students: 42 credit points of Intermediate BMED units, including: BMED2801, 2802, 2805. **Corequisites:** HSTO3003 **Prohibitions:** EMHU3001, EMHU3002 **Assessment:** One 1 hour exam, Practical class reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: The completion of 6 credit points of MBLG is highly recommended.*

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

This advanced unit of study complements HSTO3003 (Cells and Development: Theory) and is catered to provide students with laboratory research experience leading to Honours and higher degrees. It will primarily cover the design and application of



experimental procedures involved in cell and developmental biology, using appropriate molecular and cellular techniques to answer developmental questions raised in HSTO3003. This unit of study will promote hands on experience with different animal models, allowing students to observe and examine developing and differentiating tissues at the macroscopic and microscopic level. The main emphasis of this unit of study will concentrate on practical approaches to understanding the mechanisms that control animal development. Fertilization, cleavage, gastrulation and the formation of the primary germ layers are covered. The parts played by inductive cell and tissue interactions in differentiation, morphogenesis and pattern formation are examined at cellular and molecular levels. Note that for some weeks of the course, specialised practical classes will be carried out at the Westmead campus.

#### Textbooks

Gilbert SF. Developmental Biology. 8th edn. Sinauer Associates Inc: Sunderland, Mass. 2006.

### HSTO3551

#### Histology Exchange Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### HSTO3552

#### Histology Exchange Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### HSTY1025

#### The Middle Ages (500-1500) Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Lynette Olson **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Assessment:** two 1500 word essays (30% each), one 1500 word exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program.

The Middle Ages were actually a beginning, which saw the birth and early growth of Europe's civilisation that was ultimately passed on to its settler societies. This unit of study surveys some key events and institutions that shaped the medieval world. Topics include the Christianisation of England, the rise of Islam and its impact on the Mediterranean, the Vikings and Normans, changes in feudal relationships, growth of towns, rise of universities, Crusade and Inquisition, the Black Death and demographic change.

### HSTY1034

#### Early Modern Europe 1500-1750 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Margaret Sampson **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Assessment:** one 2 hour exam or equivalent, 2500 words written work; 60% classwork and 40% exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program.

HSTY1034 listens to 'ordinary' people's stories to show the many ways that non-elites negotiated, subverted and challenged aristocratic authority. Themes include the development of courtly culture in great cities like Paris and Rome; rural cultures; witchcraft and magic; peasant revolt; the role of violence; gender; neighbourhood life and the rise of 'middle-class' manners. The unit foregrounds cinema as well as text, investigating the cultural underpinning of such films as Peter Webber's *Girl with a Pearl Earring*, and Claude Berri's masterpiece, *Jean de Florette*.

### HSTY1044

#### Twentieth Century Politics and Culture Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Cindy McCreery **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prohibitions:** HSTY1043 **Assessment:** 2500 words written work and one 2 hour exam; 60% classwork and 40% exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Arts, UG Study Abroad Program.

This unit surveys Europe's twentieth century, examining the First World War, the Russian Revolution, fascism, the cultural ferment of the interwar years, the Second World War and the Holocaust, European empires and decolonization, Cold War culture and politics, and European unification. The transformations of the twentieth century took place in many different spheres of human existence, and this unit introduces students to some of the varieties of history and the diverse ways historians approach the past.

### HSTY1045

#### Modern European History 1750-1914 Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Robert Aldrich **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** one 500 word assignment, one 2000 word essay, one 2 hour examination and tutorial exercises and participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program.

This unit covers the dramatic changes in European life that marked the transition from pre-modern to modern societies. We will see that these changes emancipated many Europeans from legal and physical burdens while creating many new ones of their own. The catastrophes of the twentieth century have their roots in the period we examine, a period that culminated in the First World War and the spectacular explosion of the ideals of material and moral progress that had animated bourgeois elites. In particular, we discuss the transformations that took place in the key areas of human activity: politics and ideology; family and sexual life; work and technology; religious belief; experiences of colonialism; and social class.

### HSTY1076

#### American History from Lincoln to Clinton Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Stephen Robertson **Session:** Semester 1, Winter Main **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prohibitions:** HSTY2035 **Assessment:** one 500 word tutorial paper, one 1750 word essay, one group tutorial presentation (equivalent to 250 words), and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

This unit examines the United States in the years in which Americans felt their society, culture, politics, and individual and national identities, were taking new, 'modern' forms. It offers insights into a nation that is one of the principal forces shaping the world in which we live. We will explore topics such as the rise and fall of racial segregation, immigration, social reform movements, mass consumer culture, sexual revolution, and the changing stance of the United States in the world.

## HSTY1089

### Australia: Colonies to Nation

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Richard Waterhouse **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** one 500 word document exercise, one 2000 word essay and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Sc, B Com, Dip Arts, UG Study Abroad Program.

Was Australia the peacefully settled 'quiet continent'? First, this unit examines convict society, frontier conflict, the impact of gold, the emergence of cosmopolitan cities and the campaigns for responsible government. Second, it maps the creation of a nation state in the period after 1880, involving constitutional and political changes, the creation of foundation stories, the impact of war, and changing relations between settler and Indigenous Australians. Finally, we chart the nation's cultural, political and economic transformation into a modern, (and post colonial) society after 1945.

## HSTY1801

### History Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Arts.

## HSTY1802

### History Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Arts.

## HSTY2601

### Religion & Society: Conversion & Culture

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Lynette Olson, Assoc Prof Ahmad Shboul, Dr Chris Hartney **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture **Prohibitions:** HSTY2001 **Assessment:** one 2250 word take-home exam, one 2250 word essay, tutorial participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

In 13th-century Karakorum, capital of the Mongol empire, a debate was held between Christians, Muslims and Buddhists. Starting from this, we will examine religious change as cultural change thematically and comparatively with reference to Medieval European Christianity, Islam and Chinese Buddhism. This unique unit is for religious, indifferent and anti-religious people. It involves discussion of processes of acculturation and the interplay between religious and other aspects of cultural 'conversion', including language and art.

## HSTY2606

### China and its World in the 19th Century

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr John Wong **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial **Prerequisites:** 12 credit points of junior History, Ancient History, Economic History or Asian History and Culture **Prohibitions:** HSTY2006 **Assessment:** one 250 word research proposal, tutorial participation, one 2250 word major research essay, one 2000 word take-home exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit covers three major phases of development in China's recent history: the so-called century of humiliation (1839-1949), the communist experiment (1949-1978) and now China's endeavours to become a market economy in a globalising world.

## HSTY2607

### Approaches to the Arab Israeli Conflict

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Dirk Moses **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points in History, Arabic and Islamic Studies, or Hebrew, Biblical and Jewish Studies. **Prohibitions:** JCTC2008, GOVT2772 **Assessment:** one tutorial presentation (equivalent of 1000 words), one 2500 word essay and one 1 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B Int S, Dip Arts, UG Study Abroad Program.

This unit of study will provide students with a grounding in the historical context of and reasons for conflict in Palestine/Israel. It will enable them to identify the causes of conflict and avenues for peace, as well as making them aware of the politicised nature of scholarship on the region. They will be made aware of the prevalence of emotions and national feeling in discussion of the subject, and of the imperative for sobriety in academic exchange at the University. The unit will enable students to gain detachment from the dominant narratives about the causes of the conflict so they can make up their own minds about the issues.

## HSTY2619

### Living in Colonial Australia

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Kirsten McKenzie **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture **Prohibitions:** HSTY2019 **Assessment:** one 3000 word essay and either one 1500 word tutorial paper or one 1.5 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

If "the past is a foreign country", how did people live in colonial Australia? Taking a fresh perspective on Australia's history by focusing on everyday life, we question our assumptions that Australia was settled by people not that different from ourselves. Considering the economic, social and cultural impact of colonization and exploring the contested aims of diverse groups within this emerging society, we will discover why colonial Australia was stranger and more fascinating than you ever imagined.

## HSTY2626

### Fascism and Antifascism

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Judith Keene **Session:** Semester 1, Winter Main **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture **Prohibitions:** HSTY2026 **Assessment:** one 1000 word seminar presentation, one 2500 word essay, one 1000 word take-home exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B Int S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

This unit will examine the origins and development of the movements of the New Right that emerged in Europe after World War One paying particular attention to their political, social and cultural manifestations as well as the movements on the left that attempted to confront what was seen as a new political phenomenon. The unit will use primary material of literature, diaries, cinema and photography as well as the more conventional sources of political and historical analysis.

## HSTY2629

### Sex and Scandal

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Frances Clarke, Dr Kirsten McKenzie **Session:** Semester 1, Winter Main **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 credit points of History, Ancient History, or Asian Studies **Prohibitions:** HSTY2029 **Assessment:** one 1500 word essay and one 3000 word research paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

What makes a scandal? This unit examines a number of sensational case studies from England, America and Australia, beginning with the outrage surrounding Marie-Antoinette and then weaving through the increasingly strait-laced nineteenth century, in which scandals abounded, destroying reputations, rulers and families. It is not behaviour itself, but the ever-changing interpretations of behaviour that gave rise to condemnation and scandalised indignation. Examining occasions when social rules have been flouted allows us to consider the ways in which such rules are themselves constituted, maintained and challenged.

### HSTY2634

#### Columbus to Lincoln: America Before 1865

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael McDonnell, Dr Frances Clarke **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History, Economic History or Asian History and Culture **Prohibitions:** HSTY2034 **Assessment:** one 500 word essay plan, participation, one 2000 word essay and one 2 hour take-home exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

British settlers eventually gained supremacy over the parts of the New World that we now call North America. In time, they would go on to forge a separate nation, resting on a distinct national identity that promised liberty and equality for all, even as vast swathes of the population remained disenfranchised. In studying the development and application of these founding ideals, we survey the formative moments in America history, from white colonization to the Civil War.

### HSTY2640

#### Twentieth Century China

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr John Wong **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture **Prohibitions:** HSTY3071, HSTY3072 **Assessment:** one 2500 word research essay, one 2000 word take-home exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B Int S, Dip Arts, UG Study Abroad Program.

The communist's 1949 victory in China put an end to foreign encroachments and domestic strife. This relative calm did not stop Westerners fretting about China's perceived intentions. The Korean and Vietnam Wars only confirmed their worst fears. China's adoption of a market economy has generated worries of a different kind. We appear to live in perpetual fear of China. This unit examines China's past and present aspirations in an attempt to find productive ways of engaging Chinese history.

### HSTY2645

#### Invisible Cities: Imagining Urban Italy

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Nicholas Eckstein **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture **Prohibitions:** HSTY2045 **Assessment:** one 3500 word research essay, one 1000 word research journal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Arts, UG Study Abroad Program.

Invisible Cities uses text, art, the physical landscape, photography and cinema to study the Italian urban imagination from ancient Rome, to its evolution in Florence, Venice, Sienna and San Gimignano. Students learn how Italians reinvent their cities in everyday life and public celebration, how they exploit their streets and piazzas; how human gesture and movement transform urban space; and how modern and contemporary ideas about the city blend and clash with millennia of urban tradition.

### HSTY2651

#### Spanish Civil War

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Judith Keene **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History, Asian Studies or Spanish Language **Prohibitions:** HSTY2051 **Assessment:** one 2000 word essay, one 2000 word assignment and one exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

The Spanish civil war (1936-1939) was a critical event in modern Spanish history and in international relations. The conflict in Spain elicited an enormous response from intellectuals and activists of the Left and Right around the world. As well, some hundred thousand foreigners enlisted in Spain, most with the Republican International Brigades in what, politically and militarily, was the curtain-raiser to World War Two. This unit enables students to study this important and fascinating twentieth century event in depth.

### HSTY2659

#### Nationalism

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Margaret Poulos **Session:** Semester 1, Summer Main **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History or Asian Studies **Prohibitions:** HSTY2059 **Assessment:** one oral tutorial presentation, participation, one 2500 word essay, one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

Nationalism is surely one of the most potent forces in the modern era. It has generated wars and shaped identities, forged common bonds and torn populations apart. When and how did nationalism first appear? How should we understand this peculiarly modern phenomenon? After looking at the way scholars have understood nationalism, we delve into 19th and 20th century case studies, along the way focusing on how literature, art and popular culture have been crucial vehicles for furthering nationalist sentiment.

### HSTY2660

#### Violence in Italy

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Nicholas Eckstein **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 credit points of Junior History, Ancient History or Economic History **Prohibitions:** HSTY2060 **Assessment:** one 1500 word tutorial paper and one 3000 word research essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

Violence is a feature of all human societies in every era. This unit examines the cultural significance of violence in Italy, from the Ancient Roman amphitheatre to the language of twentieth-century Fascist violence and post-war Italy's confrontation with left and right-wing terrorism, the 'years of lead', and Italy's continuing struggle with the Mafia. Themes include violence in Medieval, Renaissance and Early-Modern urban culture, gender and sexuality, crime and punishment in the Enlightenment, and Romantic representations of violence in the nineteenth century.

### HSTY2664

#### Communicating Culture in the Middle Ages

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Julie Ann Smith **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History or Asian Studies **Prohibitions:** HSTY2064 **Assessment:** one 1000 word tutorial paper, one 2000 word essay, one 1500 word exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This is a unit about people and cultures. Women and men, merchants and monks, Christians and Jews all formed the cultures, classes and statuses which constituted late medieval European society. The study themes of this unit focus on the means by which ideas, cultures and expectations were constructed and transmitted, and include topics such as healthcare, civic life, the body, gender and sexuality, religious beliefs and practices, otherness, death, political theory, art and architecture, travel.

### HSTY2666

#### American Revolutions

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael McDonnell **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture **Prohibitions:** HSTY2066 **Assessment:** one 2500 word essay, one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B Int S, Dip Arts, UG Study Abroad Program.

This unit will explore the series of rebellions, wars, independence movements and revolutions that rocked the Atlantic World between 1750 and 1825. Though we'll focus on the American Revolution in particular, we will put that event in a larger Atlantic context, from the Native American resistance movements of the 1750s and 1760s, through to the Spanish American independence movements of the early nineteenth century. We'll also explore connections with the Haitian and French Revolutions and slave rebellions more generally.

### HSTY2667

#### Politics and Cultures of US Imperialism

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Clare Corbould **Session:** Semester 1, Summer Main **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History or Asian Studies **Prohibitions:** HSTY2067 **Assessment:** one 2500 word essay, one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

Since the 2003 invasion of Iraq, public debate about American power has been dominated by the question: is the United States an empire? Taking this debate as a starting point, students examine: the expansion of American power across the continent and then overseas; political, economic and cultural forms of domination and the subsequent transformation of societies overseas and the US itself; and the value and limits of applying the concept of imperialism to US power.

### HSTY2672

#### Britain and the World: C.1837-1914

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Cindy McCreery **Session:** Semester 1, Summer Main **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History or Asian Studies **Assessment:** one 1000 word draft essay, one 2000 word final essay and one take home exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

This unit explores the political, social and cultural significance of Britain's foreign engagements c.1837-1914, including war (e.g. Crimean War, Afghan Wars, Maori Wars, Boer War), 'gunboat diplomacy' (e.g. the Royal Navy in the Pacific) and colonial rule (especially India, Ireland and Australia). Special emphasis will be given to the role these engagements played in fostering or challenging a sense of British identity among a wide range of men and women, both in Britain and the wider world.

### HSTY2676

#### Australia and the World

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr James Curran **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture **Assessment:** one oral tutorial presentation, participation, one 2500 word essay, one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program.

This unit examines Australia's relations with the world in the post-war era. It explores the historical themes which shaped Australia's response to the world: loyalties to race and empire; communities of interest and culture; the 'Free' versus the 'Communist' worlds; the rise of Asian nationalism, ANZUS and Australian military engagements from Korea to Vietnam. It also investigates the making of Australia's foreign and defence policy from the 1980s to the present, including debates over engagement with Asia and the American alliance.

### HSTY2677

#### Australia: Politics and Nation

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr James Curran **Session:** Semester 2, Summer Main **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture **Assessment:** one oral tutorial presentation, participation, one 2500 word essay, one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

This unit examines the intersection between political culture and nationalism in Australia, with particular attention to the question of when (and if?) Australia became an 'independent' nation. It examines the content and character of British race patriotism in Australia before 1945 and the gradual unravelling of this British myth in the post-war period. Among other issues, the unit explores the end of 'White Australia', the rise of multiculturalism, engagement with Asia, Aboriginal reconciliation and republicanism.

### HSTY2679

#### Advanced Australia

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Penny Russell **Session:** Semester 1 **Classes:** one 1 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture **Assessment:** one 1000 word discussion paper and one 5000 word primary research essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program.

This unit is designed for students who want to challenge themselves, hone their skills of independent research and achieve a deeper understanding of Australia's written history. The unit surveys some of the 'classic' and controversial works of Australian history, and shows how new research directions and methods intersect with topical debates. Students have the opportunity to develop a substantial, self-directed research project within structured guidelines. The unit is particularly recommended for students with an interest in higher-level research in history.

### HSTY2680

#### Living: Modern British Social History

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Chris Hilliard **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History or Asian Studies **Assessment:** one 2000 word primary source-based exercise, one 2000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit explores the richness and variety of British social history since the late nineteenth century. Each week's classes open up different historical and methodological questions by studying different

activities -- for instance, eating, drinking, working, buying, learning, and sleeping around.

### HSTY2681

#### Colonialism in Modern Asia

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Robert Aldrich **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History or Asian Studies **Assessment:** one 2000 word essay, one tutorial activity, one 1500 word exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

In modern times, Asia represented a major terrain for expansion by such powers as Britain, France, Japan, the Netherlands and the United States. This inter-disciplinary unit explores and compares the policies, practices, and experiences of colonial powers in Asia. Themes may include the ideological justification of empires; military and political control; the construction of colonial knowledge; the cultures of empires; inter-ethnic relations; economic, medical and urban policies; gender and sexuality; opposition to imperialism; and the heritage of empire.

### HSTY2682

#### Portraits of Medieval Women

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Julie Ann Smith **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History or Asian Studies **Prohibitions:** HSTY3696 **Assessment:** one 800 word tutorial paper, one 2000 word essay, one 1200 word exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Prostitutes, nuns, saints, mothers, mystics, alewives, pilgrims - the lives of medieval women in the 12th-15th centuries were rich and varied. Their experience and contributions to their medieval worlds come alive through insights into such broad categories such as family and marriage, intellectual and spiritual life, as well as through focused case studies. Students in this unit engage with the lives of medieval women through an array of textual and iconographic portraits as well as through a splendid scholarly literature.

### HSTY2691

#### Writing History

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Clare Corbould **Session:** Semester 2 **Classes:** one 1 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points of junior History, Ancient History, Economic History or Asian History and Culture. **Prohibitions:** HSTY2901, ANHS2691 **Assessment:** one 1500 word book or journal review, one 1500 word reflective essay, one 3000 word diary **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

How do we write history? How and why do our approaches to events, lives, and ideas differ from those taken by historians in the past? What is the relationship between historical scholarship and society? To answer these questions, we will examine History's history, social theories (e.g. Marxism, feminism, structuralism, post-structuralism), various historical methods, and processes of historical research and publication. Far from dry discussion, this lively unit focuses on debates that fire up historians, past and present.

### HSTY2805

#### History Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

### HSTY2806

#### History Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

### HSTY2809

#### History Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

### HSTY2810

#### History Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

### HSTY2811

#### History Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

### HSTY4011

#### History Honours A

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Prof Robert Aldrich **Session:** Semester 1, Semester 2 **Classes:** two 2 hour seminars per week in Semester 1. Students also submit an honours thesis late in Semester 2. **Prerequisites:** 48 senior credit points of History (up to 18 credit points of which may be cross-listed), including HSTY2691, with an average mark in those units of study of credit or better. Students who do not meet this requirement, however, may apply to the Honours Coordinator for a waiver to permit their entry into the honours program. **Assessment:** All of the major components of the Honours year will be assessed. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Int S (Hons), Dip Arts(Hons).

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Student Information Guide from the SOPHI Office.

### HSTY4012

#### History Honours B

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Prof Robert Aldrich **Session:** Semester 1, Semester 2 **Prerequisites:** See under HSTY4011 **Corequisites:** HSTY4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Int S (Hons), Dip Arts(Hons).

See under HSTY4011

### HSTY4013

#### History Honours C

### Arts

**Credit points:** 12 **Teacher/Coordinator:** Prof Robert Aldrich **Session:** Semester 1, Semester 2 **Prerequisites:** See under HSTY4011 **Corequisites:** HSTY4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Int S (Hons), Dip Arts(Hons).

See under HSTY4011

### HSTY4014

#### History Honours D

### Arts

**Credit points:** 12 **Teacher/Coordinator:** Prof Robert Aldrich **Session:** Semester 1, Semester 2 **Prerequisites:** See under HSTY4011 **Corequisites:** HSTY4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Int S (Hons), Dip Arts(Hons).

See under HSTY4011

# University undergraduate units of study – I

## IBUS2101

### International Business Strategy Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** 2 x lectures and 1 x 1hr workshop per week. **Prerequisites:** 36 junior credit points with at least 12 from the Faculty of Economics and Business **Prohibitions:** IBUS2001 **Assessment:** Participation; Individual assignment; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A S, B Com, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program, UG Summer/Winter School.

The aim of this unit of study is to understand how international firms win and lose in global competition. Major topics include building corporate capabilities and competencies for competitive advantage; optimal strategies for international business competition; dealing with different market structures and government policies; choosing between equity and non-equity alliances, licensing and joint ventures; understanding the differences in economic, political and legal environments; challenges of operating in emerging economies; managing across borders, including selecting effective types of MNEs and subsidiaries; managerial decision-making and internal MNE organisational design; and management of global networks.

## IBUS2102

### Cross-Cultural Management Economics and Business

**Credit points:** 6 **Session:** Semester 2, Summer Main **Classes:** 2 x lectures and 1 x 1hr workshop per week **Prerequisites:** 36 junior credit points with at least 12 from the Faculty of Economics and Business **Prohibitions:** IBUS2002 **Assessment:** Participation; Individual assignment; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A S, B Com, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program, UG Summer/Winter School.

Critical to effective management in international and multi-cultural business environments is an understanding of cultural differences and how to manage such differences. The aim of this unit of study is to provide conceptual frameworks and evidence from practice that will develop an understanding of the ways in which cultures differ, how these differences can impact on management, and how cultural issues can limit organisational effectiveness. Strategies for managing and relatively harnessing cultural differences are also evaluated. Major topics include the significance of culture in international management; the meaning and dimensions of culture; comparative international management styles; managing communication across cultures; ethics and social responsibility in global management; cross-cultural negotiation and decision-making; managing global teams; culture and international leadership; and developing the international and global manager.

## IBUS2551

### International Business Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A S, B Com, B Ec, B Ec Soc Sc, B Int S.

## IBUS2552

### International Business Exchange

## Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A S, B Com, B Ec, B Ec Soc Sc, B Int S.

## IBUS3101

### International Business Alliances Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 x lectures and 1 x 1hr workshop per week **Prerequisites:** 36 junior credit points **Corequisites:** IBUS2101 **Assessment:** Participation; Individual assignment; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B A S, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program.

The formation and implementation of successful global business strategies involves alliances with a range of stakeholders including international customers and suppliers, overseas agents, international franchisors and franchisees, international joint venture partners, and international merger relationships. The aim of this unit of study is to provide conceptual frameworks and evidence from practice that will develop an understanding of the motivations underlying international alliances, the alternative approaches to alliance formulation and development, and the problems involved in promoting effective alliance management. Major topics include the motivations for international business alliances, analysis of the advantages and disadvantages of different types of alliances, factors influencing the choice of alliance arrangements, alliance structure issues, partners selection and relationship management, the reasons why alliances succeed or fail, and the management of alliance processes.

## IBUS3102

### International Risk Management Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 x lectures and 1 x 1hr workshop per week **Prerequisites:** 36 credit points in junior units of study **Assessment:** Participation; Individual assignment; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B A S, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program.

This unit is designed to introduce students to the nature of risk management, particularly the identification of risk, its analysis and consequences for international business actors. Emphasis is placed on surveying some of the environments that can potentially generate risk, how these risks can impact various aspects of market composition and market participation, the integrity of business actors and their profitability and viability. The business environments surveyed include the international financial system, government and regulation of business activity, compliance risk, corporate social responsibility and activism, as well as issues associated with country and political risk.

## IBUS3103

### Global Entrepreneurship and Enterprise Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1.5 lectures and 1 x tutorial/lab class per week. **Prerequisites:** 48 credit points **Assessment:** Group presentation; Individual assignment; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in the combined Law degrees are able to complete this unit in their third year of enrolment (full-time).*



**Associated degrees:** B A, B Com, B A S, B Com, B Com (Liberal Studies), B Ec, B Ec Soc Sc, B Int S.

Developing entrepreneurial and innovative businesses is very different to managing large established businesses especially in a global context. In addition to exploring the special problems (and advantages) associated with entrepreneurial small and medium enterprises (SMEs), the course will bring together the skills you have acquired across many disciplines. In this unit, you will develop a funding proposal for a real technology, invention or design and pitch that to a panel of potential investors. Topics include international entrepreneurship theory, opportunity recognition and selection, developing an innovative business strategy, and sourcing appropriate finance (whether angel, venture capital, debt or corporate investment). Central to this course is the integration of theory and practice through workshop sessions, group work, and talks from industry professionals.

### IBUS3104

#### Ethical International Business Decisions Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 x 1hr lecture and 1 x 2hr workshop twice per week for 6 weeks **Prerequisites:** 48 credit points **Corequisites:** IBUS2101 **Assessment:** Group presentation; Individual assignment; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A S, B Com, B Com (Liberal Studies), B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program.

To be able to succeed in international business, both corporations and individuals need broad decision-making abilities. Business decision-making tools yield more coherent and justifiable results when used with an understanding of the ethical, social and environmental aspects of the process. This applies to various situations in the international business setting including business relations with government, customers, employees, and NGOs. Using a case study approach, this unit is designed to look at these non-financial elements in the decisions made within the international business context. Following the completion of this unit, students will have enhanced skills and knowledge relevant to the development and management of international business organisations.

### IBUS3106

#### International Business Special Project Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week **Prerequisites:** IBUS2101 and IBUS2102 with a credit average **Assessment:** Research Project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Students must have achieved a credit average in these units and must have received permission to enrol from the Chair of the Discipline of International Business.*

**Associated degrees:** B A S, B Com, B Ec, B Ec Soc Sc, B Int S, B Sc, UG Study Abroad Program.

The special project in International Business provides students with an opportunity to undertake a supervised reading and research project on an approved topic. Special projects will be undertaken depending on the availability of appropriate staff expertise. Special projects may also be organised by the Discipline to include the opportunity to travel in a group to another country and conduct various case studies in international business. The focus will vary each year based on the specific country and industry focus. As well as being of interest to those intending to work internationally, the unit of study will be appropriate for students intending to work in 'big' business as well as smaller entrepreneurial enterprises.

### IBUS3107

#### Business Negotiations Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 x 2hr lecture and 1 x 1hr tutorial **Prerequisites:** 48 credit points **Assessment:** Participation; Mid Semester exam; Self-Appraisal; Group Project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A S, B Com, B Ec, B Ec Soc Sc, B Int S, B Sc, UG Study Abroad Program.

The purpose of this course is to help you understand the theory of negotiation as it is practiced in a variety of strategic settings. The aim is to help you feel more comfortable and confident with the negotiation process. The course is designed to be relevant to the broad spectrum of negotiation problems that are faced by managers but we use specific examples from international strategy such as M&A and joint ventures. The course will provide participants with an opportunity to develop skills experientially and to understand negotiation in useful analytic frameworks. Considerable emphasis will be placed on role-playing exercises and case studies.

### IBUS3551

#### International Business Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A S, B Com, B Ec, B Ec Soc Sc, B Int S.

### IBUS3552

#### International Business Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A S, B Com, B Ec, B Ec Soc Sc, B Int S.

### IBUS3553

#### International Business Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A S, B Com, B Ec, B Ec Soc Sc, B Int S.

### IBUS3554

#### International Business Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A S, B Com, B Ec, B Ec Soc Sc, B Int S.

### IBUS4101

#### Special Topics in International Business Economics and Business

**Credit points:** 12 **Session:** Semester 1 **Classes:** 3 hr seminars per week. **Prerequisites:** Completion of requirements for the pass degree, a major in International Business with a minimum Credit average and approval of the Chair of Discipline. **Corequisites:** IBUS4102 **Assessment:** Student participation in in-class discussion; short essay assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec Soc Sc (Hons), B Int S (Hons).

IBUS4101 studies the recent theoretical and applied literature in international business and management strategy. Topics are organised around four key research themes:

- (i) the boundaries of the multinational enterprise;
- (ii) internal organizational design and structure;
- (iii) location decisions;
- (iv) and competitive dynamics.

Specific topics include the critique of theoretical models in international business, including new institutional economics, internalization, transaction cost, resource, path dependency, contracting and dynamic capability-learning approaches; the relationship between the new



trade theory, increasing return models and theories of the MNE, including location tournament and clustering; the organizational design of non-equity and equity strategic alliances, including the nature of headquarters-subsidiary relations; investment incentives and country impact of foreign direct investment; and competitive and strategic interaction of multinational enterprises. Candidates must enrol in IBUS4101, IBUS4102, IBUS4103, and IBUS4104 to complete the Honours year.

#### IBUS4102

##### International Business Research Methods Economics and Business

**Credit points:** 12 **Session:** Semester 1 **Classes:** 3 hr seminars per week. **Prerequisites:** Completion of requirements for the Pass degree, a major in International Business with a minimum Credit average, and approval of the Chair of Discipline. **Corequisites:** IBUS4101 **Assessment:** Assessment of research proposal. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec Soc Sc (Hons), B Int S (Hons).

Honours study in International Business is directed at the development of the analytical and conceptual skills required to conduct independent research in the field. The focus of this unit is on understanding research methodologies, the design of a research project and preparation of a research proposal. In addition students undertake Special Topics in International Business (IBUS4101) and the Seminar in International Business (IBUS4103). Candidates must enrol in IBUS4101, IBUS4102, IBUS4103, and IBUS4104 to complete the Honours year.

#### IBUS4103

##### International Business Seminar Economics and Business

**Credit points:** 12 **Session:** Semester 2 **Classes:** 3 hr seminars per week. **Prerequisites:** Completion of requirements for the Pass degree, a major in International Business with a minimum Credit average, and approval of the Chair of Discipline. **Corequisites:** IBUS4104 **Assessment:** Student participation in in-class discussion; short-essay assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec Soc Sc (Hons), B Int S (Hons).

IBUS4103 is a seminar required of students undertaking their Honours year in International Business. The seminar builds on the work in IBUS4101 and considers selected issues of current importance in the field, including work related to the research of members of the discipline and recently published cases. In addition topics may be adjusted to reflect student interests and needs. Because of the focus on current issues, the research of members of the discipline, and the interests of current students, topics covered will vary from year to year. We would normally expect to deal with current issues in the following areas: (i) The link between firm structure and international strategy; (ii) Analysis of changes in the international operating environment; (iii) Current studies of entry modes and alliances; (iv) Issues in international risk management; (v) Issues in cross cultural management; (vi) Ethical issues in international management. In addition to in-class discussion, the seminar will require a series of short papers analysing works of particular interest to individual students. Candidates must enrol in IBUS4101, IBUS4102, IBUS4103, and IBUS4104 to complete the Honours year.

#### IBUS4104

##### International Business Thesis Economics and Business

**Credit points:** 12 **Session:** Semester 2 **Classes:** 3 hr seminars per week. **Prerequisites:** Completion of requirements for the Pass degree, a major in International Business with a minimum Credit average, and approval of the Chair of Discipline. **Corequisites:** IBUS4103 **Assessment:** Assessment of the thesis. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec Soc Sc (Hons), B Int S (Hons).

Honours study in International Business is directed at the development of the analytical and conceptual skills required to conduct independent research in the field. The primary focus of this unit is the conduct of research and the writing of a thesis of some 15 to 20,000 words. In addition students undertake Special Topics in International Business (IBUS4101) and the Seminar in International Business (IBUS4103). Candidates must enrol in IBUS4101, IBUS4102, IBUS4103, and IBUS4104 to complete the Honours year.

#### IBUS9001

##### International Business Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program.

#### IBUS9002

##### International Business Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program.

#### IBUS9003

##### International Business Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program.

#### IBUS9004

##### International Business Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, B Int S, UG Study Abroad Program.

#### ICLS2631

##### Popular Fiction and Popular Culture Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Yiyang Wang **Session:** Semester 1 **Classes:** 1 hour lecture and 1 hour tutorial per week **Prerequisites:** 18 Junior credit points from any department in the Faculty of Arts from Table A of which 12 credit points are from one subject, or special permission from the Director of ICLS. **Assessment:** Class presentation equivalent to 1000 words (10%), essay 2500 words (45%), take home exam 2500 words (45%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, UG Study Abroad Program.

What is popular culture? How do we identify popular fiction and how does it fit into both popular and literary traditions? What are the common elements of popular culture and popular fiction in different national, cultural and historical contexts? This unit introduces approaches to the study of popular culture and fiction through the study of different genres of popular fiction written in English or translated into English.

#### ICLS2633

##### Cities of the World Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Bronwyn Winter **Session:** Semester 1 **Classes:** 1 hour lecture and 1 hour tutorial per week **Prerequisites:** 18 Junior credit points from any department in the Faculty of Arts from Table A of which 12 credit points are from one subject, or special permission from the Director

of ICLS **Assessment:** Class presentation equivalent to 1000 words (10%), essay 2500 words (45%), take home exam 2500 words (45%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, UG Study Abroad Program.

The 'city' is a diverse and controversial theme in world literature. It touches upon past and present, alienation and fulfillment, luxury and poverty, success and failure, anonymity and fame. There are modern and old cities, cosmopolitan and 'holy' cities. By examining how the cultural and historical transformation of urban living has been approached by writers of different cultural and national backgrounds, this unit of study offers a journey to different geographic locations but also a journey through time.

## ICLS2636

### Great Books 2: Innovations, Inspirations Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Bronwyn Winter **Session:** Semester 2 **Classes:** 1 hour lecture and 1 hour tutorial per week **Prerequisites:** 18 Junior credit points from any department in the Faculty of Arts from Table A of which 12 credit points are from one subject, or special permission from the Director of ICLS. **Assessment:** Class presentation equivalent to 1000 words (10%), essay 2500 words (45%), take home exam 2500 words (45%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, UG Study Abroad Program.

What works most mark the stylistic development of world literature? What was their innovative and inspirational potential? Did they represent the pinnacle of their tradition or did they break with it? How have they inspired other writers and artists, then and now? This unit will look at some of those literary works that have come to symbolise literary innovation and inspiration and ask how they came to be part of our modern canon and serve as a model for others.

## ICLS2801

### Int Comparative Literary Studies Exch Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A.

## ICLS2802

### Int Comparative Literary Studies Exch Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A.

## ICLS2803

### Int Comparative Literary Studies Exch Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A.

## ICLS2804

### Int Comparative Literary Studies Exch Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A.

## ICLS4011

### Int Comparative Literary Studies Hons A

## Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Bronwyn Winter **Session:** Semester 1, Semester 2 **Classes:** 3 semester-length seminars of 2 hours per week per seminar **Prerequisites:** Credit average in 48 senior credit points of ICLS at Senior level, of which at least 36 senior credit points should be from ICLS Units including exchange units, and 12 may be from cross-listed Units from the School of Languages and Cultures or the Department of English. A reading knowledge of one language other than English is also required. Students not meeting these criteria may apply for special permission from the Director of ICLS. Special transitional entry arrangements will be made for students undertaking Honours in 2009 or 2010. **Assessment:** Seminar presentations; bibliographic project; essays; 12000-15000 word thesis. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Adv)(Hons), B A (Hons).

Honours students will take two core ICLS seminars:

Literary Comparison: History and Methods (semester 1)

Comparative Studies and Literary Debates (semester 2)

A third seminar is to be chosen from a list of literature and culture seminars offered within SLC: contact the Program Director for details. Special permission may be sought to enrol in a third seminar not on this list but offered within the Faculty of Arts and relevant to the student's thesis topic. The Honours thesis will normally be jointly supervised by two members of the ICLS teaching team.

## ICLS4012

### Int Comparative Literary Studies Hons B Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Bronwyn Winter **Session:** Semester 1, Semester 2 **Corequisites:** ICLS4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Adv)(Hons), B A (Hons).

See ICLS4011

## ICLS4013

### Int Comparative Literary Studies Hons C Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Bronwyn Winter **Session:** Semester 1, Semester 2 **Corequisites:** ICLS4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Adv)(Hons), B A (Hons).

See ICLS4011

## ICLS4014

### Int Comparative Literary Studies Hons D Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Bronwyn Winter **Session:** Semester 1, Semester 2 **Corequisites:** ICLS4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Adv)(Hons), B A (Hons).

See ICLS4011

## IMMU2101

### Introductory Immunology Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Scott Byrne **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, one 3 hour tutorial or practical or independent study per week. **Prerequisites:** 24 credit points of Junior units of study from any of the Science discipline areas. **Prohibitions:** IMMU2001, BMED2506, BMED2807 **Assumed knowledge:** Junior Biology and Junior Chemistry. **Assessment:** One 2 hour examination (60%), one 2000 word essay (20%), online quizzes and tutorial group presentation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This is a prerequisite unit of study for IMMU3102 and IMMU3202. The completion of 6 credit points of MBLG units of study is highly recommended.*

**Associated degrees:** B Sc, B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This unit of study will provide an overview of the human immune system and essential features of immune responses. The lecture

course begins with a study of immunology as a basic research science. This includes the nature of the cells and molecules that recognise antigens and how these cells respond at the cellular and molecular levels. Practical/tutorial sessions will illustrate particular concepts introduced in the lecture program. Further lectures and self-directed learning sessions will integrate this fundamental information into studies of mechanisms of host defence against infection, transplantation, and dysfunction of the immune system including allergy, immunodeficiency and autoimmune diseases.

#### Textbooks

Abbas, AK, Lichtman, AH. Basic Immunology Functions and Disorders of the Immune System. Saunders 2004.

### IMMU2551

#### Immunology Exchange Medicine

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### IMMU2552

#### Immunology Exchange Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### IMMU2553

#### Immunology Exchange Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### IMMU3102

#### Molecular and Cellular Immunology Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Allison Abendroth **Session:** Semester 2 **Classes:** Three 1 hour lectures, one tutorial and one practical per fortnight. **Prerequisites:** BMED2807 or BMED2506 or IMMU2101 or IMMU2001 and 6cp of Intermediate units of study from Biochemistry or Biology or Microbiology or Molecular Biology and Genetics or Pharmacology or Physiology. **Prohibitions:** IMMU3002, BMED3003 **Assumed knowledge:** Intermediate biochemistry and molecular biology and genetics. **Assessment:** Formal examination: 60% one 2 hour exam. Progressive assessment: 40% includes practical assessment (lab quizzes/practical assignment), 2000word essay, tutorial presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: The completion of 6 CP of MBLG units of study is highly recommended. Concurrent study of IMMU3202 Immunology in Human Disease is strongly recommended.*

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

This study unit builds on the series of lectures that outlined the general properties of the immune system, effector lymphocytes and their functions, delivered in the core courses, IMMU2101 - Introductory Immunology and BMED2807 -Microbes & Body Defences (formerly IMMU2001 and BMED2506). In this unit the molecular and cellular aspects of the immune system are investigated in detail. We emphasise fundamental concepts to provide a scientific basis for studies of the coordinated and regulated immune responses that lead to elimination of infectious organisms. Guest lectures from research scientists eminent in particular branches of immunological research are a special feature of the course. These provide challenging information from the forefront of research that will enable the student to become aware of the many components that come under the broad heading 'Immunology'. Three lectures (1 hour each) will be given each fortnight: 2 lectures in one week and one lecture the following week, for the duration of the course. This unit directly complements the unit "Immunology in human disease IMMU3202" and students are strongly advised to undertake these study units concurrently.

#### Textbooks

Abbas, AK, Lichtman, AH, Cellular and Molecular Immunology 5th edition 2003. WB Saunders Company and/or Janeway, CA, Travers, P, Walport, M and Shlomchik, M. Immunobiology -the immune system in health and disease 6th edition. Garland Press. 2005.

### IMMU3202

#### Immunology in Human Disease Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Allison Abendroth **Session:** Semester 2 **Classes:** Three 1 hour lectures, one tutorial and one practical per fortnight. **Prerequisites:** BMED2807 or BMED2506 or IMMU2101 or IMMU2001 and 6cp of Intermediate units of study from Biochemistry, or Biology or Microbiology or Molecular Biology and Genetics or Pharmacology or Physiology. **Prohibitions:** IMMU3002, BMED3003 **Assumed knowledge:** Intermediate biochemistry and molecular biology and genetics. **Assessment:** Progressive assessment: 40% includes practical assignment, portfolio of case studies, poster presentation, tutorial presentation. Formal examination: 60% one 2 hour exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: The completion of 6CP of MBLG units of study is highly recommended. Concurrent study of IMMU3102 Molecular and Cellular Immunology is very strongly recommended.*

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

This study unit builds on the series of lectures that outlined the general properties of the immune system, effector lymphocytes and their functions, delivered in the core courses, IMMU2101 - Introductory Immunology and BMED2807 - Microbes & Body Defences (formerly IMMU2001 and BMED2506). We emphasise fundamental concepts to provide a scientific basis for studies in clinical immunology; dysfunctions of the immune system e.g. autoimmune disease, immunodeficiencies, and allergy, and immunity in terms of host - pathogen interactions. This unit has a strong focus on significant clinical problems in immunology and the scientific background to these problems. The unit includes lectures from research scientists and clinicians covering areas such as allergy, immunodeficiency, autoimmune disease and transplantation. This course provides challenging information from the forefront of clinical immunology and helps the student develop an understanding of immune responses in human health and disease. Three lectures (1 hour each) will be given each fortnight: 2 lectures in one week and one lecture the following week, for the duration of the course. This unit directly complements the unit "Molecular and Cellular Immunology" and students are very strongly advised to undertake these study units concurrently.

#### Textbooks

Abbas, AK, Lichtman, AH, Cellular and Molecular Immunology 5th edition 2003. WB Saunders Company and/or Janeway, CA, Travers, P, Walport, M and Shlomchik, M. Immunobiology -the immune system in health and disease 6th edition. Garland Press. 2005. Rosen and Geha. Case studies in immunology-a clinical companion 4th edition. Garland Press. 2005

### IMMU3551

#### Immunology Exchange Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b

2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### IMMU3552 Immunology Exchange Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### IMMU4011 Immunology Honours A Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prohibitions:** BMED4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Liberal Stud (Hons), B Med Sc (Hons), B S T (Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons).

Students enrolled in the Honours program study various advanced aspects of Immunology. The program may include lectures, tutorials, seminars and practicals. Students will undertake a research project. Assessment will include the project and may include examinations and classwork.

### IMMU4012 Immunology Honours B Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** IMMU4011 **Prohibitions:** BMED4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Liberal Stud (Hons), B Med Sc (Hons), B S T (Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons).

See IMMU4011 for information.

### IMMU4013 Immunology Honours C Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** IMMU4012 **Prohibitions:** BMED4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Liberal Stud (Hons), B Med Sc (Hons), B S T (Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons).

See IMMU4011 for information.

### IMMU4014 Immunology Honours D Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** IMMU4013 **Prohibitions:** BMED4014 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Liberal Stud (Hons), B Med Sc (Hons), B S T (Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons).

See IMMU4011 for information.

### INFD3012 Infectious Diseases

### Medicine

**Credit points:** 6 **Teacher/Coordinator:** A/Prof. Colin Harbour **Session:** Semester 2 **Classes:** One 1 hour lecture and one 1 hour tutorial and one 2 hour practical and one 2 hour case study or theme session a week. **Prerequisites:** 42 credit points of intermediate BMED units including BMED2807. **Assumed knowledge:** Intermediate microbiology, immunology, molecular biology and genetics. **Assessment:** Formal examination: one 2 hour exam, 60% Progressive assessment: includes: 2000w essay, tutorial case presentation, poster presentation, 40%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: The completion of MICR3011 is strongly recommended prior to undertaking this course.*

**Associated degrees:** B Med Sc, UG Study Abroad Program.

Infectious diseases occur as a result of interactions between a host and a microbial parasite. This unit of study will explain how infectious agents interact with human hosts at the molecular, cellular, individual patient and community levels to cause diseases and how the hosts attempt to combat these infections. The unit will be taught by the discipline of Infectious Diseases and Immunology of the Department of Medicine within the Central Clinical School, Faculty of Medicine with involvement of associated clinical and research experts who will contribute lectures and theme sessions on their own special interests. The primary learning vehicle in this unit will be the case study involving three or four cases per week on the diseases theme of the week, e.g. Pneumonia in week 1, wound infections in week 2 etc. Students are strongly recommended to complete MICR3011 before enrolling in this unit.

*Textbooks*

Medical Microbiology. Edited by Cedric Mims et al. Mosby, 2004. ISBN 07234-3260-0

### INFD4011 Infectious Diseases Honours A Medicine

**Credit points:** 12 **Session:** Semester 1 **Prohibitions:** BMED4021 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc (Hons).

Students enrolled in the Honours program study various advanced aspects of Infectious Diseases. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

### INFD4012 Infectious Diseases Honours B Medicine

**Credit points:** 12 **Session:** Semester 1 **Corequisites:** INFD4011 **Prohibitions:** BMED4022 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc (Hons).

Students enrolled in the Honours programs study various advanced aspects of Infectious Diseases. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

### INFD4013 Infectious Diseases Honours C Medicine

**Credit points:** 12 **Session:** Semester 2 **Corequisites:** INFD4012 **Prohibitions:** BMED4023 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc (Hons).

Students enrolled in the Honours programs study various advanced aspects of Infectious Diseases. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

**INFD4014****Infectious Diseases Honours D  
Medicine**

**Credit points:** 12 **Session:** Semester 2 **Corequisites:** INFD4013  
**Prohibitions:** BMED4024 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc (Hons).

Students enrolled in the Honours programs study various advanced aspects of Infectious Diseases. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

**INFO1003****Foundations of Information Technology  
Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** (Lec 2 hrs & Prac 3hrs) per week **Prohibitions:** INFO (1903 or 1000) or INFS1000  
**Assessment:** In-course involvement, assignments, quizzes and written exam.  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B E, B S T, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit prepares students from any academic discipline to develop the necessary knowledge, skills and abilities to be competent in the use of information technology for solving a variety of problems. The main focus of this unit is on modelling and problem solving through the effective use of IT. Students will learn how to navigate independently to solve their problems on their own, and to be capable of fully applying the power of IT tools in the service of their goals in their own domains while not losing sight of the fundamental concepts of computing.

Students are taught core skills related to general purpose computing involving a range of software tools such as spreadsheets, database management systems, internet search engines, HTML, and JavaScript. Students will undertake practical tasks including authoring an interactive website using HTML and JavaScript and building a small scale application for managing information. In addition, the course will address the many social, ethical, and intellectual property issues arising from the wide-spread use of information technology in our society.

**INFO1103****Introduction to Programming  
Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** (Lec 2hrs & Prac 3hrs) per week **Prohibitions:** INFO1903 or SOFT (1001 or 1901) or COMP (1001 or 1901) or DECO2011 **Assumed knowledge:** HSC Mathematics  
**Assessment:** In-course involvement, assignments, quizzes and written exam  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B Sc, B Sc (Bioinformatics).

This unit provides an introduction to programming using Java. The main aims are (i) to develop basic programming skills and (ii) learn how to express algorithms using computer programming and develop basic algorithmic problem solving skills.

**INFO1105****Data Structures  
Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Lec 2hrs & Prac 3hrs) per week **Prohibitions:** INFO1905 or SOFT (1002 or 1902) or COMP (1002 or 1902 or 2160 or 2860 or 2111 or 2811 or 2002 or 2902) **Assumed knowledge:** Programming, as for INFO1103 **Assessment:** In-course involvement, assignments, quizzes and written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B Sc.

The unit will teach some powerful ideas that are central to quality software: data abstraction and recursion. It will also show how one can analyse the scalability of algorithms using mathematical tools of asymptotic notation. Contents include: both external "interface" view,

and internal "implementation" details, for commonly used data structures, including lists, stacks, queues, priority queues, search trees, hash tables, and graphs; asymptotic analysis of algorithm scalability, including use of recurrence relations to analyse recursive code. This unit covers the way information is represented in each structure, algorithms for manipulating the structure, and analysis of asymptotic complexity of the operations. Outcomes include: ability to write code that recursively performs an operation on a data structure; experience designing an algorithmic solution to a problem using appropriate data structures, coding the solution, and analysing its complexity.

**INFO1551****Information Technology Exchange  
Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B S T, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

**INFO1903****Informatics (Advanced)  
Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 1 **Classes:** (Lec 3hrs & Prac 3hrs) per week **Prerequisites:** UAI sufficient to enter BCST(Adv), BIT or BSc(Adv), or portfolio of work suitable for entry **Prohibitions:** INFO1003, INFO1103 **Assumed knowledge:** HSC Mathematics **Assessment:** In-course involvement, assignments, quizzes, lab exam and written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B E, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit covers advanced data processing and management, integrating the use of existing productivity software, e.g. spreadsheets and databases, with the development of custom software using the powerful general-purpose Python scripting language. It will focus on skills directly applicable to research in any quantitative domain. The unit will also cover presentation of data through written publications and dynamically generated web pages, visual representations and oral presentation skills. The assessment, a long project, involves the demonstration of these skills and techniques for processing and presenting data in a choice of domains.

**Textbooks**

Given the diversity of the material, the main resource for INFO1903 will be the course notes, which will be made available through the University Copy Centre. Additional suggested readings:  
 M. Lutz and D. Ascher. Learning Python, 2nd Ed., O'Reilly, 2003. ISBN 0-596-00281-5

**INFO1905****Data Structures (Advanced)  
Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Lec 2hrs & Prac 3hrs) per week **Prerequisites:** Distinction-level performance in INFO1103 or INFO1903 or SOFT1001 or SOFT1901. **Prohibitions:** INFO1105 or SOFT (1002 or 1902) or COMP (1002 or 1902) **Assessment:** In-course involvement, assignments, quizzes and written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B Sc.

An advanced alternative to INFO1105; covers material at an advanced and challenging level. See the description of INFO1105 for more information.

**INFO2110****Systems Analysis and Modelling  
Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Lec 2hrs & Prac 2hrs) per week **Prohibitions:** INFO (2810 or 2000 or 2900) **Assumed knowledge:** Experience with a data model as in INFO1003 or INFO1103 or INFS1000

**Assessment:** In-course involvement, assignments, quizzes and written exam.  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Des Comp, B E, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit provides a comprehensive introduction to the analysis of complex systems. Key topics are the determination and expression of system requirements (both functional and non-functional), and the representation of structural and behavioural models of the system in UML notations. Students will be expected to evaluate requirements documents and models as well as producing them. This unit covers essential topics from the ACM/IEEE SE2004 curriculum, especially from MAA Software Modelling and Analysis.

## INFO2120

### Database Systems 1

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (Lec 2hrs & Prac 2hrs) per week **Prohibitions:** INFO (2820 or 2005 or 2905) **Assumed knowledge:** Some exposure to programming and some familiarity with data model concepts such as taught in INFO1103 or INFO1003 or INFS1000 or INFO1903 **Assessment:** In-course involvement, assignments, quizzes and written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Des Comp, B E, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

The proper management of data is essential for all data-centric applications and for effective decision making within organizations. This unit of study will introduce the basic concepts of database designs at the conceptual, logical and physical levels. Particular emphasis will be placed on introducing integrity constraints and the concept of data normalization which prevents data from being corrupted or duplicated in different parts of the database. This in turn helps in the data remaining consistent during its lifetime. Once a database design is in place, the emphasis shifts towards querying the data in order to extract useful information. The unit will introduce different query languages with a particular emphasis on SQL, which is industry standard. Other topics covered will include the important concept of transaction management, application development with a backend database, an overview of data warehousing and online analytic processing, and the use of XML as a data integration language.

## INFO2315

### Introduction to IT Security

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Lec 2hrs & Prac 2hrs) per week **Prohibitions:** NETS (3305 or 3605 or 3016 or 3916) or ELEC (5610 or 5616) **Assumed knowledge:** Computer literacy **Assessment:** In-course involvement, assignments, quizzes and written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B Sc.

This unit provides a broad introduction to the field of IT security. We examine secure and insecure programs, secure and insecure information, secure and insecure computers, and secure and insecure network infrastructure. Key content includes the main threats to security; how to analyse risks; the role in reducing risk that can be played by technical tools (such as encryption, signatures, access control, firewalls, etc); the limitations of technical defences; and the simple process and behavioural changes that can reduce risk.

## INFO2551

### Information Technology Exchange

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B S T, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

## INFO2552

### Information Technology Exchange

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B S T, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

## INFO2820

### Database Systems 1 (Advanced)

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (Lec 2hrs & Prac 2hrs) per week **Prerequisites:** Distinction-level result in INFO (1003 or 1103 or 1903 or 1105 or 1905) or SOFT (1001 or 1901 or 1002 or 1902) **Prohibitions:** INFO (2120 or 2005 or 2905) **Assessment:** In-course involvement, assignments, quizzes and written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Des Comp, B E, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

An advanced alternative to INFO2120; covers material at an advanced and challenging level. See the description of INFO2120 for more information.

## INFO3220

### Object Oriented Design

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (Lec 2hrs & Prac 2 hrs) per week **Prohibitions:** SOFT (3301 or 3601 or 3101 or 3801) or COMP (3008 or 3908) **Assumed knowledge:** INFO2110, INFO1105 **Assessment:** In-course involvement, assignments, quizzes and written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B Sc.

This unit covers essential design methods and language mechanisms for successful object-oriented design and programming. C++ is used as the implementation language and a special emphasis is placed on those features of C++ that are important for solving real-world problems. Advanced software engineering features, including exceptions and name spaces are thoroughly covered.

## INFO3315

### Human-Computer Interaction

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Lec 2hrs & Prac 2hrs) per week **Prohibitions:** MULT (3307 or 3607 or 3018 or 3918) or SOFT (3102 or 3802) or COMP (3102 or 3802) **Assumed knowledge:** INFO2110 **Assessment:** In-course involvement, assignments, quizzes and written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B Sc.

This unit will introduce techniques to evaluate software user interfaces using heuristic evaluation and user observation techniques. Students will (i) learn how to design formal experiments to evaluate usability hypothesis and (ii) apply user centered design and usability engineering principles to design software user interfaces. A brief introduction to the psychological aspects of human-computer interaction will be provided.

## INFO3402

### Management of IT Projects and Systems

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (Lec 2hrs & Prac 2hrs) per week **Prohibitions:** ISYS (3000 or 3012) or ELEC3606 **Assumed knowledge:** INFO (2000 or 2110 or 2810 or 2900) **Assessment:** In-course involvement, assignments, quizzes and written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This course introduces the basic processes and techniques for managing IT projects, systems and services, throughout the IT lifecycle. It addresses both the technical and behavioural aspects of IT management at the enterprise level. Major topics include: organisational strategy and IT alignment, IT planning, project planning, tracking, resource estimation, team management, software testing, delivery and support of IT services, service level agreements, change and problem management, cost effectiveness and quality assurance.

#### Textbooks

Martin, E. W., C. V. Brown, et al. (2002). Managing Information Technology. New Jersey, Pearson Education Inc.

### INFO3404

#### Database Systems 2

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Lec 2hrs & Prac 2hrs) per week **Prohibitions:** INFO (3504 or 3005 or 3905) or COMP (3005 or 3905) **Assumed knowledge:** Introductory database study such as INFO2120 or INFO2820 or INFO2005 or INFO2905. Students are expected to be familiar with SQL and the relational data model, and to have some programming experience. **Assessment:** In-course involvement, assignments, quizzes and written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This unit of study provides a comprehensive overview of the internal mechanisms of Database Management Systems (DBMS) and other systems that manage large data collections. These skills are needed for successful performance tuning, to understand the scalability challenges faced by the information age. Topics include: the internal components of a DBMS engine, physical data organization and disk-based index structures, query processing and optimisation, locking and logging, database tuning, distributed and replicated databases, web search engines, and indices and processing when doing information retrieval from textual data. This unit will be valuable to those pursuing such careers as Software Engineers, Database Experts, Database Administrators, Web Developers and e-Business Consultants.

### INFO3504

#### Database Systems 2 (Adv)

##### Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** - **Session:** Semester 2 **Classes:** (Lec 2hrs & Prac 2hrs) per week **Prerequisites:** Distinction-level result in INFO (2120 or 2820) or COMP (2007 or 2907) **Prohibitions:** INFO (3404 or 3005 or 3905) or COMP (3005 or 3905) **Assessment:** In-course involvement, assignments, quizzes and written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

An advanced alternative to INFO3404; covers material at an advanced and challenging level. See the description of INFO3404 for more information.

### INFO3551

#### Information Technology Exchange

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B S T, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

### INFO3552

#### Information Technology Exchange

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B S T, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

### INFO3553

#### Information Technology Exchange

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B S T, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

### INFO3600

#### Major Development Project (Advanced)

##### Engineering and Information Technologies

**Credit points:** 12 **Session:** Semester 2 **Prerequisites:** INFO3402 **Prohibitions:** COMP3615 or ISYS3400 or SOFT (3300 or 3600 or 3200 or 3700) **Assessment:** Individual presentation, oral examination and group report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Only available to students in BIT, BCST(Adv) or BSc(Adv)*

**Associated degrees:** B I T.

This unit will provide students an opportunity to carry out substantial aspects of a significant software development project. The project will be directed towards assisting a client group (from industry or with strong industry links). The student's contribution could cover one or more aspects such as requirements capture, system design, implementation, change management, upgrades, operation, and/or tuning. Assessment will be based on the quality of the delivered outputs, the effectiveness of the process followed, and the understanding of the way the work fits into the client's goals, as shown in a written report.

### INFO4991

#### IT Research Thesis A

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 12 hours per week research work (including interaction with supervisor and research group). **Prerequisites:** Enrolment in Honours (BCST or BIT) **Corequisites:** INFO4990 and INFO4992 **Assessment:** Research thesis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B C S T (Hons), B I T (Hons), B Sc (Hons).

Together with INFO4992, this unit covers the research and writing of the student's Honours thesis.

### INFO4992

#### IT Research Thesis B

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 24 hours per week research work (including interaction with supervisor and research group). **Prerequisites:** Enrolment in Honours (BCST or BIT) **Corequisites:** INFO4990 and INFO4991 **Assessment:** Research thesis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B C S T (Hons), B I T (Hons), B Sc (Hons).

Together with INFO4991, this unit covers the research and writing of the student's Honours thesis.

### INFO4999

#### Computer Science Honours Result

##### Engineering and Information Technologies

**Session:** Semester 1, Semester 2 **Prerequisites:** Permission of the Head of Department **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B C S T (Hons), B Sc (Bioinformatics)(Hons), B Sc (Hons). All SIT Honours students must enrol in this non assessable unit of study in their final semester.

### INFS1000

#### Business Information Systems Foundations Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 3hrs per week **Prohibitions:** ISYS1003, INFO1000, INFO1003 **Assessment:** Class Tests; Problem-based Group project; **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, UG Study Abroad Program, UG Summer/Winter School.

The Information Age, with its focus on information as a key business resource, has changed the way Business Information Systems (BIS) are viewed in organisations. In previous years, people approached BIS primarily as a tool to increase efficiency, either by cutting costs, time or energy spent. In the information age, however, the role of BIS is different. It is an enabler of innovation and a tool for getting the right information into the hands of the right people at the right time. This unit is designed to develop your understanding of how businesses operate and shows how business information systems support business operations and management. You will be provided with an introduction to BIS theories, frameworks and models to assist in understanding the nature and contribution of BIS in a range of organisational contexts including private, public and not for profit. Your learning experience will be based on the state-of-the-art educational models of Team-Based Learning, Problem-based Learning and the Reflective BIS Practice.

### INFS1551

#### Business Information Systems Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

### INFS2001

#### Business Information Systems Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 2hr lecture and 1hr tutorial per week **Prerequisites:** (INFS1000 or INFO1000 or INFO1003 or ISYS1003) **Prohibitions:** ACCT2003, INFS2000 **Assessment:** In Class Test; Group project; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, UG Study Abroad Program.

This unit is designed to help you understand the firm's information environment and how it contributes to the attainment of business objectives from an end-to-end system perspective. It will raise your awareness of managers' professional responsibilities for the design, implementation, operation and control of business information system applications - primarily relating to the conduct of accounting related transactions. You will learn how to integrate both accounting and non-accounting functions to support the information needs of all users in a modern organization, how to mitigate risks and put appropriate controls in place. You will gain knowledge of approaches and methodologies used in structured design, including data modelling and process mapping, systems development or procurement and implementation.

### INFS2010

#### Managing Information & Knowledge Assets Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** INFS1000 or INFO1000 or INFO1003 or INFO1903 or ISYS1003 **Prohibitions:** INFS3015 **Assumed knowledge:** INFS2001 **Assessment:** Individual project; Case study; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, UG Study Abroad Program.

Organisations and individuals are often overwhelmed by the amount and diversity of digital information they need (or are required by law) to manage and maintain. This unit introduces you to the concepts of information, content and knowledge management and the systems that enable the acquisition, storage and distribution of business information, an understanding of which is crucial for your role as a future business manager. Adopting a sociotechnical systems design approach, you will develop your understanding of the theory and practical skills required to effectively design and deliver Web content to different kinds of users in a variety of formats. Specific emphasis is placed on the design of usable, scalable, standards-based Web information resources.

### INFS2020

#### Business Process Integration & Modelling Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3hrs per week **Prerequisites:** INFS1000 or INFO1000 or INFO1003 or INFO1903 or ISYS1003 **Prohibitions:** INFS2005 **Assumed knowledge:** INFS2001 **Assessment:** Mid Semester Exam; Group Assignment; Individual Assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, UG Study Abroad Program.

This unit provides an overview of business process analysis, design and integration from the management perspective in the context of integrated information systems and inter-enterprise integration models. It will equip you with high level skills and knowledge required to carry out analysis and redesign of business processes facilitating efficient convergence of technology and business. Building on the basic knowledge of business information systems and transactional processing cycles developed from other units, this unit will provide you with a higher level process modelling, analysis and optimisation skills necessary in process-centred organizations. This unit views the functioning of business from a holistic and integrated perspective rather than from a simple functional perspective.

### INFS2030

#### e-Commerce Business Models Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** INFS1000 or INFO1000 or INFO1003 or INFO1903 or ISYS1003 **Prohibitions:** ACCT3006, INFS3020 **Assessment:** Group Presentation; Individuation project; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, UG Study Abroad Program.

This unit will provide you with a detailed overview of the concepts and processes used in doing business electronically in the new digital economy and e-business era. These concepts and tools will enable you to analyse, evaluate, synthesise and implement e-commerce business models. Importantly, this unit will provide the critical link between technologies and the firm's performance and takes a business management perspective in teaching and learning. The emphasis is on the way technologies enable the business and its effective management, rather than the technologies.

### INFS2551

#### Business Information Systems Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T.

### INFS2552

#### Business Information Systems Exchange



**Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T.

**INFS3030****BIS Assurance and Control****Economics and Business**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hrs per week **Prerequisites:** INFS1000 or INFO1000 or INFO1003 or INFO1903 or ISYS1003 **Prohibitions:** INFS3010 **Assumed knowledge:** INFS2001, INFS2010, INFS2020 **Assessment:** Individual project, Group project and Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, UG Study Abroad Program.

This unit will introduce you to concepts, tools and techniques that will assist you in identifying, managing and providing assurance with respect to key risk and critical control areas in the acquisition, implementation and operation of information systems. In examining different stages of the information system lifecycle, you will learn about: relevant legal, professional and technical requirements in different contexts; how the application of appropriate risk management and control frameworks may serve to identify and mitigate potential risk areas; and audit standards and approaches that provide assurance as to the effectiveness of processes and controls. The unit takes a multidisciplinary focus examining ways in which accountants, information system auditors, IT and business managers bridge the gaps between business risks, control needs and technical issues. The theoretical and conceptual material covered in lectures is reinforced through practical demonstrations and case study analysis.

**INFS3040****Enterprise Systems****Economics and Business**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3hrs per week **Prerequisites:** INFS1000 or INFO1000 or INFO1003 or INFO1903 or ISYS1003 **Prohibitions:** INFS3005 **Assumed knowledge:** INFS2001 and INFS2020 **Assessment:** Online Case Study; Group project; Mid-semester examination; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, UG Study Abroad Program.

This unit will provide you with an overview of enterprise-wide computing and integrated enterprise systems concepts with the help of packaged software solutions. You will become familiar with Enterprise Resource Planning (ERP), be exposed to the functionality of enterprise-wide systems such as SAP and develop a high level understanding of its underlying business processes and their method of integration. The unit will equip you with a thorough understanding of the process flows in procurement, production management, customer order management, customer service and financial accounting and controlling through detailed exploration of the SAP system software. The integrative capabilities of enterprise system software, and its potential benefits and limitations to businesses, are highlighted throughout.

**INFS3050****Supporting Business Intelligence****Economics and Business**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3hrs per week **Prerequisites:** INFS1000 or INFO1000 or INFO1003 or INFO1903 or ISYS1003 **Assumed knowledge:** INFS2010 or equivalent **Assessment:** Mid-semester examination; Tutorial work; Quiz Individual project; Final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B Agr Ec, B Com, B Com, LL B, B E, B Com, B Sc, B Com, UG Study Abroad Program.

Many organisations are flooded with data and information that come from traditional transaction processing systems as well as external sources. A common challenge is to make sense of this data - to convert this data into intelligence and an understanding of its meaning

and message for the organisation. In this unit you will examine the contribution of business intelligence tools and systems and their link with enterprise-wide, business performance management. Issues are explored from the business rather than the technology perspective. A common commercial software platform will be used to demonstrate the role of systems in business intelligence.

**INFS3060****Managing BIS Projects****Economics and Business**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 3 hrs per week **Prerequisites:** 12 credit points in INFS units of study **Prohibitions:** INFS3000 **Assessment:** Group Project; Individual Project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B Agr Ec, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Sc, B Com, UG Study Abroad Program.

This unit is intended to consolidate your knowledge and skills with regard to the application of Information Systems in both public and private sector contexts. The unit serves as a Business Information Systems (BIS) capstone and is structured around a semester long project designed to allow you to demonstrate your ability to apply and synthesise BIS concepts in a real world setting. You will consider information systems from a number of perspectives including, but not limited to, their contribution to the strategic objectives of an organisation and the requirements for successful design, implementation and operation. The unit will require you to develop and apply your understanding of Information Systems from both social and technical perspectives.

**INFS3080****Business Information Systems Project****Economics and Business**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 3hrs per week **Prerequisites:** Department permission and at least 48 credit points **Assessment:** Project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T.

Students complete a project in Business Information Systems.

**INFS3551****Business Information Systems Exchange****Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T.

**INFS3552****Business Information Systems Exchange****Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T.

**INFS3553****Business Information Systems Exchange****Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T.

**INFS3554****Business Information Systems Exchange**

## Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T.

## INFS3555

### Business Information Systems Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T.

## INFS4101

### Business Information Systems Honours A Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Major in Business Information Systems with a Credit average overall and a Distinction average for second and third year units in Business Information Systems. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Requirements for the Pass degree must be completed before entry to 4000 level honours units of study.*

**Associated degrees:** B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec (Soc Sc)(Hons).

This unit is part of the Honours in Business Information Systems. The unit is intended to ensure that students have a sound grounding in research philosophy as is relevant to Business Information Systems. The unit is designed to develop a foundation for developing your knowledge and skills as researchers throughout the Honours year. While the core will remain constant the focus of this unit may vary given the research requirements and interests of the students taking the unit.

## INFS4102

### Business Information Systems Honours B Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Major in Business Information Systems with a Credit average overall and a Distinction average for second and third year units in Business Information Systems. **Corequisites:** INFS4101 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec (Soc Sc)(Hons).

This unit will ensure that you have a solid understanding of contemporary issues in BIS. You will analyse critical industry issues and evaluate the theoretical contributions that are available to address these issues. You will have the opportunity to explore your own research interests and issues of concern to theory and practice.

## INFS4103

### Business Information Systems Honours C Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Major in Business Information Systems with a Credit average overall and a Distinction average for second and third year units in Business Information Systems. **Corequisites:** INFS4102 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec (Soc Sc)(Hons).

This unit will ensure that you have a solid grounding in research methods of particular concern to BIS. You will develop skills required for data collection, analysis and presentation as well as for the preparation and presentation of a BIS thesis. The knowledge you will acquire complements the Research Philosophy knowledge and skills acquired in BIS Honours A. You will have the opportunity to explore your own research interests.

## INFS4104

### Business Information Systems Honours D Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Major in Business Information Systems with a Credit average overall and a Distinction average for second and third year units in Business Information Systems. **Corequisites:** INFS4103 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Com (Liberal Studies)(Hons), B Ec (Hons), B Ec (Soc Sc)(Hons).

This unit will ensure that you have a solid grounding in the management of BIS at a strategic level. It will help you develop an understanding of strategic BIS planning, implementation and evaluation at organisational and inter-organisational levels. You will explore the potential impact of BIS in industry transformation. The unit provides you with opportunities to explore your own research interests.

## INFS9001

### Business Information Systems Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, UG Study Abroad Program.

## INFS9002

### Business Information Systems Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, UG Study Abroad Program.

## INFS9003

### Business Information Systems Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, UG Study Abroad Program.

## INFS9004

### Business Information Systems Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, UG Study Abroad Program.

## INGS1001

### Power and Money in Global Society Arts

**Credit points:** 6 **Teacher/Coordinator:** Associate Professor Dick Bryan **Session:** Semester 1 **Classes:** 3 hrs per week (2 lectures, 1 tutorial) **Assessment:** Essay (1500 words), research report (1000 words), 1.5 hour exam (1500 words equiv), tutorial presentation (500 words equivalent) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: This unit is available only to students in the Bachelor of International and Global Studies*

**Associated degrees:** B G S, B I G S, B I G S, LL B, B Int S, B Int S, LL B.

Making sense of a rapidly-changing economic and political world is a challenging agenda. This unit introduces a range of approaches to understand global economic and political integration and shifting power. In particular, the unit focuses on how the roles of nation states, international organizations and globalizing markets are changing, and

the way conflicts that arise with these changes are being and might be addressed.

#### Textbooks

Unit reader available at the University Copy Centre

### INGS1002

#### Global Culture and Society

##### Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hrs per week (2 lectures, 1 tutorial) **Prohibitions:** GBST1001 **Assessment:** Mid term long answer questions (1500 words), essay (2500 words), tutorial presentation (500 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available only to students in the Bachelor of International and Global Studies*

**Associated degrees:** B G S, B I G S, B I G S, LL B, B Int S, B Int S, LL B.

This inter-disciplinary unit will develop students' understanding of themes in and approaches to Global Studies. It will introduce students to conceptual frameworks of 'the global' and identify the core perspectives used by anthropology and sociology to analyse issues such as: the emergence of global economic, political, cultural and social processes; population movements; national, international, and global identities; diasporas and diasporic cultures; colonialism, post-colonialism and self-determination movements; discourses of international law, human rights and cosmopolitanism, appreciating the politics of the intercultural.

#### Textbooks

Unit reader available at the University Copy Centre

### INMS1101

#### Indonesian 1A

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1 **Classes:** 4 hours per week **Prohibitions:** Native or near native speakers of Indonesian or Malay, HSC Continuers, or Extension Indonesian or Beginners Indonesian with 75% or above or equivalent **Assessment:** Short assignments (500 words equivalent), in-class tests (2000 words equivalent), oral assessments (1500 words equivalent), in-class participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

First year Indonesian is designed to give beginning students a solid basis from which to continue Indonesian Studies at higher levels. It combines 3 hours per week of intensive Indonesian language instruction and private language study with a series of English-language lectures that introduces students to Indonesian culture and society.

#### Textbooks

Materials may be purchased from the University Copy Centre.

### INMS1102

#### Indonesian 1B

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** INMS1101 **Prohibitions:** INMS1301, INMS1302 **Assessment:** Short assignments (500 words equivalent), in-class tests (2000 words equivalent), oral assessments (1500 words equivalent), in-class participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

Indonesian 1B is designed to further build students' understanding of the language in preparation for the study of Indonesian at higher levels. It combines 3 hours per week of intensive Indonesian language instruction and private language study with a series of English-language lectures that extends students' knowledge of Indonesian culture and society.

#### Textbooks

Materials may be purchased from the University Copy Centre.

### INMS2601

#### Indonesian 2A

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** INMS1102 or HSC Continuers or Extension Indonesian or HSC Beginners Indonesian 75% and above or department permission **Prohibitions:** 8 credit point units of study numbered INMS2101 or above **Assessment:** In-class tests (2000 words equivalent), oral assessments (1500 words equivalent), assignment (500 words), in-class participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit emphasises practice in the spoken form of standard Indonesian, along with development of reading and writing skills. Reading of texts related to modern Indonesian society will develop students' understanding of the social and cultural contexts in which Indonesian is used.

#### Textbooks

Materials may be purchased from the University Copy Centre.

### INMS2602

#### Indonesian 2B

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** INMS2101 or INMS2601 **Prohibitions:** 8 credit point units of study numbered INMS2102 or above **Assessment:** In-class tests (2000 words equivalent), oral assessments (1500 words equivalent), assignment (500 words), in-class participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit consolidates and develops the skills acquired in INMS2601, and is designed to prepare students for advanced study of Indonesian. Fieldwork will involve interviewing a member of the Indonesian community in Sydney. Students will also study texts expressing the opinions of Indonesians on important social and national issues.

#### Textbooks

Materials may be purchased from the University Copy Centre.

### INMS2650

#### Indonesian In-Country Study A

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Classes:** As prescribed by the host institution **Prerequisites:** INMS1102 or INMS2101 or INMS2601 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

Students enrolled in this unit will complete an approved program of study at a tertiary institution in Indonesia, normally through the Australian Consortium for In-Country Indonesian Studies (ACICIS). Students can earn 6 credit points for every 3 semester credits (sks) successfully completed at an Indonesian tertiary institution, to a maximum of 24 credit points in any one semester. Credit may also be awarded pro rata when a student has successfully completed a summer (or equivalent) in-country Indonesian-language program. Intending students must consult the Indonesian Studies Coordinator prior to undertaking any in-country program for which credit will be sought.

### INMS2651

#### Indonesian In-Country Study B

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Classes:** As prescribed by the host institution **Prerequisites:** INMS1102 or INMS2101 or INMS2601 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

Students enrolled in this unit will complete an approved program of study at a tertiary institution in Indonesia, normally through the

Australian Consortium for In-Country Indonesian Studies (ACICIS). Students can earn 6 credit points for every three semester credits (sks) successfully completed at an Indonesian tertiary institution, to a maximum of 24 credit points in any one semester. Credit may also be awarded pro rata when a student has successfully completed a summer (or equivalent) in-country Indonesian-language program. Intending students must consult the Indonesian Studies Coordinator prior to undertaking any in-country program for which credit will be sought.

### INMS2652

#### Indonesian In-Country Study C

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Classes:** As prescribed by the host institution **Prerequisites:** INMS1102 or INMS2101 or INMS2601 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

Students enrolled in this unit will complete an approved program of study at a tertiary institution in Indonesia, normally through the Australian Consortium for In-Country Indonesian Studies (ACICIS). Students can earn 6 credit points for every three semester credits (sks) successfully completed at an Indonesian tertiary institution, to a maximum of 24 credit points in any one semester. Credit may also be awarded pro rata when a student has successfully completed a summer (or equivalent) in-country Indonesian-language program. Intending students must consult the Indonesian Studies Coordinator prior to undertaking any in-country program for which credit will be sought.

### INMS2653

#### Indonesian In-Country Study D

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Classes:** As prescribed by the host institution **Prerequisites:** INMS1102 or INMS2101 or INMS2601 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

Students enrolled in this unit will complete an approved program of study at a tertiary institution in Indonesia, normally through the Australian Consortium for In-Country Indonesian Studies (ACICIS). Students can earn 6 credit points for every three semester credits (sks) successfully completed at an Indonesian tertiary institution, to a maximum of 24 credit points in any one semester. Credit may also be awarded pro rata when a student has successfully completed a summer (or equivalent) in-country Indonesian-language program. Intending students must consult the Indonesian Studies Coordinator prior to undertaking any in-country program for which credit will be sought.

### INMS2654

#### Indonesian In-Country Study E

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Classes:** As prescribed by the host institution **Prerequisites:** INMS1102 or INMS2101 or INMS2601 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

Students enrolled in this unit will complete an approved program of study at a tertiary institution in Indonesia, normally through the Australian Consortium for In-Country Indonesian Studies (ACICIS). Students can earn 6 credit points for every three semester credits (sks) successfully completed at an Indonesian tertiary institution, to a maximum of 24 credit points in any one semester. Credit may also be awarded pro rata when a student has successfully completed a

summer (or equivalent) in-country Indonesian-language program. Intending students must consult the Indonesian Studies Coordinator prior to undertaking any in-country program for which credit will be sought.

### INMS2655

#### Indonesian In-Country Study F

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Classes:** As prescribed by the host institution **Prerequisites:** INMS1102 or INMS2101 or INMS2601 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

Students enrolled in this unit will complete an approved program of study at a tertiary institution in Indonesia, normally through the Australian Consortium for In-Country Indonesian Studies (ACICIS). Students can earn 6 credit points for every three semester credits (sks) successfully completed at an Indonesian tertiary institution, to a maximum of 24 credit points in any one semester. Credit may also be awarded pro rata when a student has successfully completed a summer (or equivalent) in-country Indonesian-language program. Intending students must consult the Indonesian Studies Coordinator prior to undertaking any in-country program for which credit will be sought.

### INMS2656

#### Indonesian In-Country Study G

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Classes:** As prescribed by the host institution **Prerequisites:** INMS1102 or INMS2101 or INMS2601 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

Students enrolled in this unit will complete an approved program of study at a tertiary institution in Indonesia, normally through the Australian Consortium for In-Country Indonesian Studies (ACICIS). Students can earn 6 credit points for every three semester credits (sks) successfully completed at an Indonesian tertiary institution, to a maximum of 24 credit points in any one semester. Credit may also be awarded pro rata when a student has successfully completed a summer (or equivalent) in-country Indonesian-language program. Intending students must consult the Indonesian Studies Coordinator prior to undertaking any in-country program for which credit will be sought.

### INMS2657

#### Indonesian In-Country Study H

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Classes:** As prescribed by the host institution **Prerequisites:** INMS1102 or INMS2101 or INMS2601 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

Students enrolled in this unit will complete an approved program of study at a tertiary institution in Indonesia, normally through the Australian Consortium for In-Country Indonesian Studies (ACICIS). Students can earn 6 credit points for every three semester credits (sks) successfully completed at an Indonesian tertiary institution, to a maximum of 24 credit points in any one semester. Credit may also be awarded pro rata when a student has successfully completed a summer (or equivalent) in-country Indonesian-language program. Intending students must consult the Indonesian Studies Coordinator prior to undertaking any in-country program for which credit will be sought.

**INMS2805****Indonesian Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

**INMS2806****Indonesian Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

**INMS2807****Indonesian Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

**INMS2808****Indonesian Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

**INMS3601****Indonesian 3A****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Elisabeth Jackson **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** INMS2102 or INMS2602 or departmental permission **Prohibitions:** 8 credit point units of study numbered INMS3101 or above **Assessment:** Weekly listening tasks on Indonesian-language lectures (10 x 200 words equivalent), oral assessments (1000 words equivalent), in-class tests (2000 words equivalent), class participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Indonesian 3A is designed to extend students' knowledge and understanding of Indonesian language and culture. It combines intensive Indonesian language instruction with a series of Indonesian-language lectures that extends students' knowledge of Indonesian culture and society on a variety of contemporary topics.

**Textbooks**

Materials may be purchased from the University Copy Centre.

**INMS3602****Indonesian 3B****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** INMS3101 or INMS3601 or departmental permission **Prohibitions:** 8 credit points of units of study numbered INMS3102 or above **Assessment:** Weekly listening tasks on Indonesian-language lectures (10 x 200 words equivalent), oral assessments (1000 words equivalent), in-class tests (2000 words equivalent), in-class participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Indonesian 3B further extends students' knowledge and understanding of Indonesian language and culture. It combines intensive Indonesian

language instruction with a series of Indonesian-language lectures that extends students' knowledge of Indonesian culture and society.

**Textbooks**

Materials may be purchased from the University Copy Centre.

**INMS3605****Indonesian Advanced Studies C****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Elisabeth Jackson **Session:** Semester 1 **Classes:** 3 hours of seminars per week **Prerequisites:** INMS3102 or INMS3602 or departmental permission **Assessment:** Weekly assessment tasks, oral assessment, essay portfolio, 2000 word essay, in-class participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is designed for native speakers, near native speakers and advanced learners of Indonesian. It emphasises analysis and discussion in Indonesian of topics related to contemporary Indonesian society. A variety of contemporary and scholarly material will be used, and topics may be drawn from areas such as regional autonomy, labour relations, contemporary music and education.

**Textbooks**

Materials may be purchased from the University Copy Centre.

**INMS3606****Indonesian Advanced Studies D****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 2 **Classes:** 3 hours of seminars per week **Prerequisites:** INMS3102 or INMS3602 or departmental permission **Assessment:** Weekly assessment tasks, oral assessment, essay portfolio, 2000 word essay, in-class participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is designed for native speakers, near native speakers and advanced learners of Indonesian. It emphasises analysis and discussion in Indonesian of topics related to contemporary Indonesian society. A variety of contemporary and scholarly material will be used, and topics may be drawn from areas such as contemporary literature, cross-cultural exchange, tourism and human rights.

**Textbooks**

Materials may be purchased from the University Copy Centre.

**INMS4011****Indonesian and Malay Studies Honours A****Arts**

**Credit points:** 12 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Classes:** 3 hours per week research seminar in Semester 1 and 3 hours per week advanced level study in Semester 1 or 2 **Assessment:** Extended assessment items (50%), 20000 word honours thesis (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

**Indonesian honours research seminar**

This seminar addresses contemporary approaches to the study of modern Indonesia. Classes are conducted in Indonesian to give students the opportunity to develop advanced reading, writing, listening and speaking skills. Students will be given an opportunity to research particular areas of interest related to their thesis project.

**Advanced level study**

In consultation with the honours coordinator, students will select one advanced unit of study which complements their honours thesis research. Students will complete an extended assessment item on an Indonesia-related topic.

**Indonesian honours thesis**

The thesis will be based on independent research under the supervision of a member of staff and will be evaluated according to the level of achievement in the following areas: (1) overall command of the secondary literature in English and Indonesian and demonstration of the ability to use this material to construct an original analysis of primary material in Indonesian; (2) command and analytic use of a relevant corpus of primary Indonesian language material; (3) command of a particular disciplinary or interdisciplinary approach to the topic; (4) overall quality and originality of the essay.

#### INMS4012

##### Indonesian and Malay Studies Honours B

###### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Corequisites:** INMS4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to INMS4011

#### INMS4013

##### Indonesian and Malay Studies Honours C

###### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Corequisites:** INMS4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to INMS4011

#### INMS4014

##### Indonesian and Malay Studies Honours D

###### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Michele Ford **Session:** Semester 1, Semester 2 **Corequisites:** INMS4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to INMS4011

#### ISYS1551

##### Information Systems Exchange

###### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

#### ISYS1552

##### Information Systems Exchange

###### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

#### ISYS2140

##### Information Systems

###### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (Lec 2hrs & Prac 2hrs) per week **Prohibitions:** ISYS (2006 or 2007) **Assumed knowledge:** INFO1003 or INFS1000 **Assessment:** In-course involvement, assignments, quizzes and written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A (Dig Tech & Culture), B A Informatics, B E, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit of study will provide a comprehensive conceptual and practical introduction to information systems (IS) in contemporary organisations. Content: General Systems Theory; Basic concepts of organisations, systems and information; The role of information systems in operating and managing organisations; How IS and the Internet enables organisations to adopt more competitive business models, including e-Commerce; The technologies that underpin IS; Distributed systems, including security, networking principles, the client server model and how distributed components locate and communicate with each other; The integration of disparate systems both within the organisation and between organisations, including the role of XML; Behavioural, managerial and ethical issues in implementing and managing IS.

###### Textbooks

Management Information Systems: Managing the Digital Firm, 8th Edition, Kenneth C. Laudon & Jane P. Laudon, Prentice Hall 2004  
Computer Networking: A Top-down Approach Featuring the Internet, 2nd edition, James F. Kurose and Keith W. Ross, Pearson/Addison Wesley 2003

#### ISYS2554

##### Information Systems Exchange

###### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

#### ISYS2555

##### Information Systems Exchange

###### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

#### ISYS2556

##### Information Systems Exchange

###### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

#### ISYS2557

##### Information Systems Exchange

###### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

#### ISYS3400

##### Information Systems Project

###### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Meeting with academic supervisor 1hr & Class meeting 1hr) per week **Prerequisites:** (INFO3402 or ISYS3012) and (ISYS3401 or ISYS3015) **Prohibitions:** INFO3600 or ISYS3207 **Assumed knowledge:** INFO2120 **Assessment:** Individual presentation, oral

examination, group report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This unit will provide students an opportunity to apply the knowledge and practise the skills acquired in the prerequisite and qualifying units, in the context of a substantial information systems research or development project and to experience in a realistic way many aspects of analysing and solving information systems problems. Since information systems projects are often undertaken by small teams, the experience of working in a team is seen as an important feature of the unit. Students often find it difficult to work effectively with others and will benefit from the opportunity provided by this unit to further develop this skill.

#### ISYS3401

##### Analytical Methods & Information Systems Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (Lec 2hrs & Prac 1hr) per week **Prohibitions:** ISYS3015 **Assumed knowledge:** INFO2110, ISYS2140 **Assessment:** In-course involvement, assignments, quizzes and written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This course will provide an introduction to the scientific approach and basic research methods that are relevant for conceptualizing and solving complex problems encountered Information Systems practice. A collection of different methods for collecting and analyzing information will be studied in the context of a few typical information system projects. These methods include surveys, controlled experiments, questionnaire design and sampling.

##### Textbooks

Leedy P. and Ornrod J. Practical Research: planning and design (7th ed). Prentice Hall

#### ISYS3554

##### Information Systems Exchange Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

#### ISYS3555

##### Information Systems Exchange Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

#### ISYS3556

##### Information Systems Exchange Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

#### ISYS3557

##### Information Systems Exchange Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This Unit of Study is for University of Sydney students in the Exchange program studying at an overseas university.

#### ISYS4301

##### Information Systems Honours A Engineering and Information Technologies

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B C S T (Hons), B S T (Hons), B Sc (Hons).

Students enrolled in the Honours programs study various advanced aspects of Information Systems. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

#### ISYS4302

##### Information Systems Honours B Engineering and Information Technologies

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ISYS4301 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B C S T (Hons), B S T (Hons), B Sc (Hons).

See ISYS4301

#### ISYS4303

##### Information Systems Honours C Engineering and Information Technologies

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ISYS4302 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B C S T (Hons), B S T (Hons), B Sc (Hons).

See ISYS4301

#### ISYS4304

##### Information Systems Honours D Engineering and Information Technologies

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ISYS4303 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B C S T (Hons), B S T (Hons), B Sc (Hons).

See ISYS4301

#### ITLN1611

##### Introductory Italian 1 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paolo Bartoloni, Dr Giorgia Alù **Session:** Semester 1 **Classes:** 1 hour lecture, 3 hours of tutorials with extensive online component per week **Prohibitions:** ITLN1101, ITLN1201, ITLN1301, ITLN1621, ITLN1631 **Assessment:** Classwork, assignments, tests (equivalent to 2500 words), 2 hour exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: A student who is qualified to enter a higher level course may not enrol in a lower level course. Students who have taken HSC Italian and students who have any formal training from other sources are required to identify themselves to the department as soon as possible.*

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit provides an introduction to the main structures of the Italian language and contemporary Italian society and history. All four language skills are developed, with a particular focus on grammatical

accuracy. The cultural component offers insights into some of the salient issues of Italian history, from Unification to the present.

#### Textbooks

Lazzarino, Peccianti & Dini, *In giro per l'Italia* (McGraw-Hill) 2nd Edition  
Other texts available from the department  
Recommended reference books:  
De R me, *Soluzioni! A Practical Guide to Italian Grammar* (Arnold)  
Adorni and Primorac, *English Grammar for Students of Italian* (Olivia and Hill)  
Course reader (in special reserve)  
Duggan, *A Concise History of Italy* (Cambridge)  
Ginsborg, *A History of Contemporary Italy: Society and Politics 1943-1988* (Penguin)  
Recommended dictionaries:  
Collins Italian Concise Dictionary (Collins)  
Collins Sansoni Italian Dictionary (Collins)

### ITLN1612

#### Introductory Italian 2

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paolo Bartoloni, Dr Giorgia Al  **Session:** Semester 2 **Classes:** 3 hours of language tutorials with extensive online component, and 1 hour reading seminar per week **Prerequisites:** ITLN1611, ITLN1101 or equivalent **Prohibitions:** ITLN1102, ITLN1202, ITLN1302, ITLN1632 **Assessment:** Classwork, assignments, tests (equivalent to 2500 words), 2 hour exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

The language component of this Unit builds further on the structures acquired in ITLN1611. The cultural component, Modern Italy, explores aspects of twentieth century Italian literary and cultural movements and figures, through guided reading and analysis of relevant texts in a weekly reading seminar.

#### Textbooks

Lazzarino, Peccianti & Dini, *In giro per l'Italia* (McGraw-Hill) 2nd Edition  
Course reader available from University Copy Centre  
Recommended reference books:  
De R me, *Soluzioni! A Practical Guide to Italian Grammar* (Arnold)

### ITLN1801

#### Italian Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Lang Stud.

### ITLN1802

#### Italian Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Lang Stud.

### ITLN2611

#### Intermediate Italian 3

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Antonia Rubino **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** ITLN1612, ITLN1102 or HSC Italian Beginners or equivalent language knowledge **Prohibitions:** ITLN2631, ITLN2101, ITLN2201, ITLN2301 **Assessment:** 2 language tests (1000 words each), 1 grammar test (500 words), 1 oral presentation (500 words), written assignments (1000 words), 2 aural / oral tests (500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit activates and consolidates the principal structures of the language and introduces complex structures, providing a variety of activities to suit most learning styles. It offers an up-to-date image of Italian life and culture and opportunities to discuss cross-cultural issues.

#### Textbooks

Course pack available from University Copy Centre

Recommended dictionaries:

Collins Sansoni Italian Dictionary (Collins)  
Zingarelli, *Vocabolario della lingua italiana* (Zanichelli)

### ITLN2612

#### Intermediate Italian 4

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Antonia Rubino **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** ITLN2611, ITLN2101, or equivalent language knowledge. **Prohibitions:** ITLN2632, ITLN2202, ITLN2302 **Assessment:** 2 language tests (1000 words each), grammar test (500 words), 2 aural/oral tests (500 words), oral presentation (500 words), written assignments (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit consolidates and expands both receptive and productive skills through a variety of learning tasks, to be carried out individually and/or in group. It aims at fluency and accuracy and it fosters independent learning.

#### Textbooks

Course pack available from University Copy Centre  
Recommended dictionary:  
Zingarelli, *Vocabolario della lingua italiana* (Zanichelli)

### ITLN2631

#### Senior Italian 3

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** ITLN1632, ITLN1202, ITLN1302 or HSC Continuers or equivalent language knowledge **Prohibitions:** ITLN2611, ITLN2201, ITLN2101, ITLN2301 **Assessment:** 2 language tests (1000 words each), 2 aural/oral tests (500 words each), oral presentation(s) (500 words), written assignments (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit provides consolidation in and activation of all four language skills, with a particular emphasis on speaking and writing. It offers an up-to-date image of Italian society and opportunities to discuss cross-cultural issues. Reflection on the language system aims at introducing complex structures, developing awareness at syntactic level and self-awareness about individual language performance.

#### Textbooks

Course pack available from the University Copy Centre  
Recommended dictionary:  
Zingarelli, *Vocabolario della lingua italiana* (Zanichelli)

### ITLN2632

#### Senior Italian 4

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** ITLN2631, ITLN2201 or ITLN2301 or equivalent language knowledge **Prohibitions:** ITLN2612, ITLN2202, ITLN2302 **Assessment:** 2 language tests (1000 words each), 2 aural/oral tests (500 words each), oral presentation(s) (500 words), written assignments (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit builds on the competence acquired in ITLN2631 and further develops the four language skills within the cultural context of contemporary Italy. It aims at fostering both fluency and accuracy as well as independent learning skills.

#### Textbooks

Course pack available from the University Copy Centre  
Recommended dictionary:  
Zingarelli, *Vocabolario della lingua italiana* (Zanichelli)

### ITLN2811

#### Italian Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day



*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### ITLN2812

#### Italian Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### ITLN2813

#### Italian Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### ITLN2814

#### Italian Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### ITLN2815

#### Italian Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### ITLN2816

#### Italian Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### ITLN2817

#### Italian Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### ITLN3611

#### Senior Italian 5

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Antonia Rubino, Dr Giorgia Alù **Session:** Semester 1 **Classes:** 3 hours of tutorials per week **Prerequisites:** ITLN2612, ITLN2202 or equivalent language knowledge **Prohibitions:** ITLN3631, ITLN3201, ITLN3301 **Assessment:** 2 language tests (1000 words each), oral presentation(s) (500 words), written assignments (1000 words).

**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit furthers competence in all aspects of the language, with a particular focus on advanced reading and writing skills. It deals with different aspects of Italian contemporary society through a variety of text types and levels of formality, encouraging cross-cultural appreciation and discussion.

##### Textbooks

Course pack available from University Copy Centre

Recommended dictionary:

Zingarelli, Vocabolario della lingua italiana (Zanichelli)

### ITLN3612

#### Senior Italian 6

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Antonia Rubino, Dr Giorgia Alù **Session:** Semester 2 **Classes:** 3 hours of tutorials per week **Prerequisites:** ITLN3611, ITLN3201 or equivalent language knowledge **Prohibitions:** ITLN3202, ITLN3302 **Assessment:** 2 language tests (1000 words each), oral presentation(s) (500 words), written assignments (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit offers opportunities for advanced and carefully planned language practice. It aims to develop the student's linguistic awareness and to reflect on the Italian language system as a whole, while dealing with different aspects of Italian contemporary society and culture.

##### Textbooks

Course pack available from University Copy Centre

Recommended dictionary:

Zingarelli, Vocabolario della lingua italiana (Zanichelli)

### ITLN3631

#### Senior Italian 7

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Antonia Rubino, Dr Giorgia Alù **Session:** Semester 1 **Classes:** 3 hours of tutorials per week **Prerequisites:** ITLN2632, ITLN2302 or equivalent language knowledge **Prohibitions:** ITLN3611, ITLN3301, ITLN3201 **Assessment:** 2 language tests (1000 words each), oral presentation(s) (500 words), written assignments (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit furthers competence in all aspects of the language, with a particular focus on the discourse level and on advanced reading and writing skills. It deals with different aspects of Italian contemporary society through a variety of text types and levels of formality.

##### Textbooks

Course pack available from University Copy Centre

Recommended dictionary:

Zingarelli, Vocabolario della lingua italiana (Zanichelli)

### ITLN3667

#### Images of Contemporary Italy

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Giorgia Alù **Session:** Semester 1 **Classes:** One 2 hour seminar per week **Prerequisites:** ITLN1612, ITLN1632, ITLN1102, ITLN1202, ITLN1302, HSC Italian Continuers or Beginners, or equivalent language knowledge **Assessment:** Two essays (3500 words), take home assignment (1000 words), oral presentation (equivalent to 1500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Lang Stud, UG Study Abroad Program.

Students will be introduced to a selection of twentieth-century Italian written and visual 'texts' (in particular films), and to aspects of the political, social and cultural developments which constitute their context. The unit of study will use a combination of lecturing, student presentations and group discussions. Students will be encouraged to

develop a thorough critical understanding of the selected texts and a sound knowledge of and sensitivity towards the major social, political and cultural issues which have contributed to the identity of contemporary Italy.

### ITLN3671

#### Dante: Inferno Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** ITLN2611 or ITLN2631 **Prohibitions:** ITLN3701 **Assessment:** Class presentation and paper (1000 words), 2 class tests (2000 words), research paper (3000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is an introduction to Dante's major works, concentrating on the Divine Comedy: Inferno and an overview of Dante's life and times.

#### Textbooks

Dante, La Divina Commedia, Inferno, ed. N.Sapegno (La Nuova Italia) or an edition in Italian

### ITLN3679

#### Filming Fiction: The Italian Experience Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 2 **Classes:** 2 hours per week: 1 lecture and 1 tutorial **Prerequisites:** One of ITLN1612, ITLN1632, ITLN1102, ITLN1202, ITLN1302, HSC Italian Continuers or Beginners or equivalent language knowledge **Assessment:** Participation (5%), classwork (equivalent to 1500 words, 20%), essay 1 (2000 words, 35%), essay 2 (2500 words, 40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

An examination of the relationship between Italian cinema and fiction. Do they speak a common language? Do they employ comparable techniques? Who copies whom? This unit investigates these and other questions by analysing the adaptation of selected contemporary Italian novels into film.

#### Textbooks

Buzzati, Il deserto dei Tartari (Mondadori)  
Moravia, Il conformista (Bompiani)

### ITLN3684

#### Italian Sociolinguistics Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Antonia Rubino **Session:** Semester 2 **Classes:** 2 hours face to face, 1 hour online discussion and activities per week **Prerequisites:** ITLN1202, ITLN1302, ITLN1632, ITLN2612, ITLN2202 or equivalent language knowledge **Prohibitions:** ITLN3752 **Assessment:** Presentation (1000 words), class test (1000 words), final assignment (2500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit of study explores the great linguistic variation that characterises contemporary Italian. It focuses on the situational, social and geographic varieties of the Italian language, exploring their linguistic and extra-linguistic features.

#### Textbooks

Course pack available from University Copy Centre.

### ITLN3687

#### Focus on Writing in Italian Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Antonia Rubino **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** One of ITLN3631, ITLN3612, ITLN3301, ITLN3202 or equivalent language knowledge **Prohibitions:** ITLN3401 **Assessment:** 2 hour exam, written assignments and weekly homework (4000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is designed specifically for students with advanced knowledge of Italian. Students will analyse and produce written texts of varying text types and writing techniques. They will also focus on specific strategies for written communication.

#### Textbooks

Course pack available from University Copy Centre.

### ITLN3688

#### Advanced Italian: Translation Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Antonia Rubino **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** One of ITLN3612, ITLN3631, ITLN3202, ITLN3301 or equivalent language knowledge **Prohibitions:** ITLN3402 **Assessment:** Research task (1000 words), 10 weekly tasks (2000 words), presentation (1000 words), 2 hour exam (2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

The unit is concerned with translating and interpreting from and into Italian, exploring modes, techniques and genres.

#### Textbooks

Texts available from department.

### ITLN3691

#### Italian Literature: 1200-1860 Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** Credit in 12 credit points of Italian or 80% in HSC Italian Continuers **Prohibitions:** ITLN2902 **Assessment:** Two essays (1500 and 2500 words), class test (2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program. It is also strongly recommended for intending Exchange students.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Through analysis of representative texts and exploration of their contexts, this honours/exchange preparation unit surveys major figures, works, schools and movements in Italian literary culture from the thirteenth to the nineteenth century.

#### Textbooks

Anthology of Authors from the Duecento to the Ottocento (from University Copy Centre)

### ITLN3693

#### Impatient Capital: 21st Century Italy Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** ITLN1632, ITLN1302, ITLN1202, ITLN2612, ITLN2202 or HSC Italian Continuers **Assessment:** Class presentation (equivalent to 1000-words), 2 essays (2500-words each). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

Several attempts have been made to describe the 21st century with regard to modalities of consumption and attendant aesthetic and ethical representations. The most enduring definitions revolve around the construction of capital as an organic entity, thus the label 'impatient capital'. How does the aesthetic and existential notion of 'impatience' shape contemporary life? This unit zeros in on contemporary Italy, providing a fresh look at Italian society through the analysis of a variety of texts: internet, literary and cinematic.

#### Textbooks

Course pack available from University Copy Centre.

### ITLN4011

#### Italian Honours A Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Antonia Rubino **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week per semester for each unit of study **Prerequisites:** Students must have qualified for the award of the pass degree with a major in Italian (36 Senior credit points). They will have completed an additional 12 credit points, normally including the special entry unit ITLN3691. Intending Honours students should attain a Credit average result in senior Italian

units of study taken as a part of their major. **Assessment:** Classwork, assignments and essays (50%), 12000-15000 word thesis (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

The Italian IV Honours program consists of four semester-length units of study, chosen in consultation with the coordinators, and an extended essay. The thesis, 12000-15000 words, is on a topic chosen in consultation with the coordinators and a designated supervisor. Students meet regularly with their designated supervisor. Thesis proposals for Honours and Joint Honours should be submitted well in advance. Italian IV students are required to attend the departmental research seminars and to present a seminar paper on their thesis topic.

#### ITLN4012

##### Italian Honours B

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Antonia Rubino **Session:** Semester 1, Semester 2 **Corequisites:** ITLN4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to ITLN4011

#### ITLN4013

##### Italian Honours C

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Antonia Rubino **Session:** Semester 1, Semester 2 **Corequisites:** ITLN4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to ITLN4011

#### ITLN4014

##### Italian Honours D

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Antonia Rubino **Session:** Semester 1, Semester 2 **Corequisites:** ITLN4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to ITLN4011



# University undergraduate units of study – J

## JAZZ1000

### Big Band 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 x 3hr class **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit of study covers all aspects of professional and creative ensemble performance, including: reading, improvisation, dynamics, tone, intonation, articulation, swing, time-feel, style and ensemble interaction. Enrolment is subject to audition.

## JAZZ1001

### Big Band 2

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 x 3hr rehearsal **Prerequisites:** JAZZ1000 Big Band 1 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit of study covers all aspects of professional and creative ensemble performance, including: reading, improvisation, dynamics, tone, intonation, articulation, swing, time-feel, style and ensemble interaction. Enrolment is subject to audition.

## JAZZ1002

### Elective Jazz Orchestra 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2hr tut/wk **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit of study covers all aspects of professional and creative ensemble performance, including: reading, improvisation, dynamics, tone, intonation, articulation, swing, time-feel, style and ensemble interaction. Enrolment is subject to audition.

## JAZZ1003

### Elective Jazz Orchestra 2

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ1002 Elective Jazz Orchestra 1 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit of study covers all aspects of professional and creative ensemble performance, including: reading, improvisation, dynamics,

tone, intonation, articulation, swing, time-feel, style and ensemble interaction. Enrolment is subject to audition.

## JAZZ1006

### Jazz Improvisation 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1 **Classes:** 2hr tut/wk **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during weekly rehearsals (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: THIS UNIT IS NOT AVAILABLE FOR JAZZ PERFORMANCE MAJORS. Entry is by audition and subject to the availability of a place.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This 2 hour combo-sized class meets once per week and is taught by an expert improvisation coach. Concepts necessary for learning the skills of jazz improvisation such as swing, chord reading, scale choices, ear training, phrase construction, form, time and pitch control, repertoire and standard jazz nuances will be taught.

## JAZZ1007

### Jazz Improvisation 2

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ1006 Jazz Improvisation 1 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during weekly rehearsals (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: THIS UNIT IS NOT AVAILABLE TO JAZZ PERFORMANCE MAJORS. Entry is by audition and subject to the availability of a place.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This 2 hour combo-sized class meets once per week and is taught by an expert improvisation coach. Concepts necessary for learning the skills of jazz improvisation such as swing, chord reading, scale choices, ear training, phrase construction, form, time and pitch control, repertoire and standard jazz nuances will be taught.

## JAZZ1013

### Jazz Counterpoint 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1 **Classes:** 2hr tut/wk **Assessment:** Weekly assignments (70%), 2hr written exam (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit aims to help students develop a clear understanding of the basic principles of counterpoint and its relevant application to jazz performance, composition and arranging. Students may gain experience in applying the theoretical knowledge through performance in class. Students may be expected to bring their instruments to class. For further information contact Craig Scott, Jazz Studies. Non-Jazz major students must seek departmental approval.



## JAZZ1014

### Jazz Counterpoint 2

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 2  
**Classes:** 2hr tut/wk **Prerequisites:** JAZZ1013 Jazz Counterpoint 1  
**Assessment:** Weekly assignments (70%), 2hr written exam (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Consolidation and development of concepts and skills introduced in Jazz Counterpoint 1. For further information contact Craig Scott (Jazz Studies).

## JAZZ1015

### Jazz Ear Training 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1  
**Classes:** 2hr tut/wk **Corequisites:** JAZZ1023 Jazz Performance 1  
**Assessment:** Two tests (20% each), one 2 hr examination (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit offers a systematic study of all simple intervals up to and including one octave, triadic harmony, four note chords in closed position and voice leading within these concepts, focusing on common harmonic movements that occur in the jazz repertoire. There will also be a systematic study of rhythm and form as an ear-training concept. This will be accomplished by taking rhythmic and melodic dictations and developing aural practice drills and routines. For further information contact M.McMahon (Jazz Studies).

## JAZZ1016

### Jazz Ear Training 2

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 2  
**Classes:** 2hr tut/wk **Prerequisites:** JAZZ1015 Jazz Ear Training 1  
**Corequisites:** JAZZ1024 Jazz Performance 2 **Assessment:** Two tests (20% each), plus one 2 hour examination (60%) **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Non Jazz Majors will need to seek jazz unit approval from chair of unit prior to enrolling.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit consolidates and expands upon concepts and skills introduced in Jazz Ear Training 1, plus introducing compound intervals, open voicings, the addition of all upper extensions to all chord types, and increasingly complex harmonic structures. For further information contact C.Scott (Jazz Studies).

## JAZZ1019

### Jazz Harmony and Arranging 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** William Motzing **Session:** Semester 1  
**Classes:** 2hr lec/tut/wk **Corequisites:** JAZZ1023 Jazz Performance 1 or MCGY1009 Harmony and Analysis 2 **Assessment:** Written harmony test (50%), approved number of arrangements (50%) **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Students will review clefs, key signatures, note values, dynamics, articulation, and learn copying and rehearsal techniques. In addition, instruction will include the ranges of and transpositions for the various instruments, chord symbols, scale-chord relationships, and rhythm section scoring. This unit deals with the study of the harmony of standard jazz repertoire. Students will learn to understand and use basic harmonic rules and the typical harmonic devices, diatonic progression and chord patterns which are learned with a view to generating a creative sense of jazz harmony and the ability to write

small combo arrangements. The students are assessed by examination and by submitting arrangements. Legibility in copying is an assessable aspect. The harmonic techniques explored in Jazz Harmony and Arranging 1 are used as the theoretical basis for Jazz Improvisation. For further information contact W. Motzing (Jazz Studies).

## JAZZ1020

### Jazz Harmony and Arranging 2

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** William Motzing **Session:** Semester 2  
**Classes:** 2hr lec/tut/wk **Prerequisites:** JAZZ1019 Jazz Harmony and Arranging 1 **Assessment:** Written harmony test (50%), approved number of arrangements (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In semester two, the voicing techniques for two to four horns stressing the most effective registers, harmonisation of passing tones, clusters and other techniques will be introduced. Composition of original melodies using motivic development, thematic structure and harmonisation will also be learned. The harmonic techniques explored in Jazz Harmony and Arranging 2 are used as the theoretical basis for Jazz Improvisation 2. The students are assessed by examination and by submitting arrangements for performance. Legibility in copying is an assessable aspect. Students will be organised into ensemble-like groups and may be expected to bring their instruments to perform the works presented. For further information contact W. Motzing (Jazz Studies).

## JAZZ1021

### Jazz History A

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Kevin Hunt **Session:** Semester 1  
**Classes:** 2hr lecture per week **Assessment:** 800w written assignment, or a practical demonstration of four jazz styles between 1870 and 1935 (25%); Listening Test (50%); class tasks and presentations (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Non Jazz Majors need to seek departmental approval in order to enrol.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit focuses on a study of the roots of jazz until the emergence of the swing period. The classes will be structured around the use of sound recordings. Students will be expected to recognise the pathfinders of jazz, their music, the socio-economic factors and to be able to write about and to discuss these various elements. Aural examinations will be of the 'Blindfold Test' variety and written assignments will take various forms such as biographies aided by transcriptions. Research, writing and documentation techniques will be learned. Students will be expected to listen, in their own time, to many recordings and to attend concerts. A recommended listening and reading list will be provided.

## JAZZ1022

### Jazz History B

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Kevin Hunt **Session:** Semester 2  
**Classes:** 2hr lecture per week **Prerequisites:** JAZZ1021 Jazz History A  
**Assessment:** 800w written assignment, or a practical demonstration of four jazz styles between 1870 and 1935 (25%); Listening Test (50%); class tasks and presentations (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Non Jazz Majors need to seek departmental approval in order to enrol.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit will study the emergence of the swing era to the beginning of Bebop. The classes will be structured around the use of sound recordings. Students will be expected to recognise the pathfinders of jazz, their music, the socio-economic factors and to be able to write

about and to discuss these various elements. Aural examinations will be of the 'Blindfold Test' variety and written assignments will take various forms such as biographies aided by transcriptions. Research, writing and documentation techniques will be learned. Students will be expected to listen, in their own time, to many recordings and to attend concerts. A recommended listening and reading list will be provided.

### JAZZ1025

#### Jazz Piano 1

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1  
**Classes:** 1hr tut/wk **Assessment:** 15min technical exam (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This course is only available to non-Jazz majors.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This class is available to all Conservatorium students as a free choice. The course will focus on basic keyboard technique as well as jazz chord progressions and voicings in small classes with students of like abilities. Students are assessed on their rate of progress by demonstrating successful completion of pieces and exercises. At the end of year examinations, students are required to demonstrate scales, chords, voicings, bass lines and comping.

### JAZZ1026

#### Jazz Piano 2

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 2  
**Classes:** 1hr tut/wk **Prerequisites:** JAZZ1025 Jazz Piano 1 **Assessment:** 15min technical exam (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This course is only available to non-Jazz majors.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Consolidation and development of concepts and skills introduced in Jazz Piano 1.

### JAZZ1029

#### Jazz Small Ensemble 1

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2hr tut/wk **Assessment:** A final grade will be compiled from continual assessment of professional demeanour, improvisational and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Each ensemble consists of a basic rhythmic section with one or more additional instruments to make up the traditional 'Combo' format. The music that is studied and performed covers a wide range, from early jazz to contemporary jazz. Enrolment is subject to audition, and availability of places. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

### JAZZ1030

#### Jazz Small Ensemble 2

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ1029 Jazz Small Ensemble 1 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour, improvisational and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Each ensemble consists of a basic rhythmic section with one or more additional instruments to make up the traditional 'Combo' format. The music that is studied and performed covers a wide range, from early jazz to contemporary jazz. Enrolment is subject to audition, and availability of places. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

### JAZZ1601

#### Jazz Performance 1

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr instrumental lesson; 2 hr Improvisation class; 1 hr sectional tutorial; Jazz Concert Practice **Corequisites:** JAZZ1611 Jazz Ensemble 1 **Assessment:** Assessment: Individual tuition/technical requirements (50%) plus improvisation class component (50%). Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), Dip Mus, UG Study Abroad Program.

These units are offered as major study and entrance is by audition and completion of a Jazz Aptitude Test. Each unit comprises 4 components: individual tuition with specialist on the student's instrument; improvisation class; concert practice in which the student is required to attend and/or perform; and tutorials. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

### JAZZ1602

#### Jazz Performance 2

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr instrumental lesson; 2 hr Improvisation class; 1 hr sectional tutorial; Jazz Concert Practice **Prerequisites:** JAZZ1601 Jazz Perf 1 **Corequisites:** JAZZ1612 JAZZ Ensemble 2 **Assessment:** Assessment: 90 minute Jury exam conducted in the impro class format (50%) plus Improvisation 2 class (30%) plus individual tuition grade (20%). Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), Dip Mus, UG Study Abroad Program.

These units are offered as a major study and entrance is by audition and completion of a Jazz Aptitude Test. Each unit comprises 4 components: individual tuition with a specialist on the student's instrument; improvisation class; concert practice in which the student is required to attend and/or perform; and tutorials. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

### JAZZ1611

#### Jazz Ensemble 1

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr Jazz Piano class; 2 hr Small Ensemble class; 2 hr Elective Jazz Orchestra class OR 3 hr Big Band class **Corequisites:** JAZZ1601 Jazz Perf 1 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour, improvisational and ensemble skills demonstrated during rehearsals and performances, and nominated assessment tasks (100%) NB: the student must pass all three elements of this Unit in order to proceed to subsequent units of study. For further information see Jazz Handbook. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study is available for BMus(Perf) Jazz students only. Enrolment in any of the Large or Small Ensembles or Jazz Piano class for other students is by permission of Jazz Unit Chair and/or by audition in the case of small and large ensemble. (The appropriate units of study for other students are Elective Jazz Orchestra 1-8, Jazz Small Ensemble 1-8 and Jazz Piano 1-4.)*

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), Dip Mus.

Jazz Ensemble 1 is a unit of study which provides the jazz student with the opportunity for: Performance of large ensemble arrangements in the Elective Jazz Orchestra, or Big Band. Performance of small

ensemble works and arrangements including original works by the students themselves in a nominated jazz ensemble. Participation in Jazz Piano class.

For further information see Jazz Handbook.

## JAZZ1612

### Jazz Ensemble 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr Jazz Piano class; 2 hr Small Ensemble class; 2 hr Elective Jazz Orchestra class OR 3 hr Big Band class **Prerequisites:** JAZZ1611 Jazz Ensemble 1 **Corequisites:** JAZZ1602 Jazz Perf 2 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour, improvisational and ensemble skills demonstrated during rehearsals and performances, and nominated assessment tasks (100%) NB: the student must pass all three elements of this Unit in order to proceed to subsequent units of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study is available for BMus(Perf) Jazz students only. Enrolment in any of the Large or Small Ensembles or Jazz Piano class for other students is by permission of Jazz Unit Chair and/or by audition in the case of small and large ensemble. (The appropriate units of study for other students are Elective Jazz Orchestra 1-8, Jazz Small Ensemble 1-8 and Jazz Piano 1-4.)*

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), Dip Mus.

Jazz Ensemble 2 is a unit of study which provides the jazz student with the opportunity for: Performance of large ensemble arrangements in the Elective Jazz Orchestra, or Big Band. Performance of small ensemble works and arrangements including original works by the students themselves in a nominated jazz ensemble. Participation in Jazz Piano class. For further information see Jazz Handbook.

## JAZZ1621

### Jazz Music Skills 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** David Theak **Session:** Semester 1 **Classes:** 2 hour jazz harmony and arranging class; 2 hour jazz aural class. **Corequisites:** JAZZ1601 Jazz Performance 1 or JAZZ1631 Jazz Vocal 1 **Assessment:** Harmony and Arranging Module: Written harmony test (50%), approved number of arrangements (25%) Aural Module: Two tests (50% each), one 2 hour exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Harmony and Arranging Module:

Students will review clefs, key signatures, note values, dynamics, articulation, and learn copying and rehearsal techniques. In addition, instruction will include the ranges of and transpositions for the various instruments, chord symbols, scale-chord relationships, and rhythm section scoring. This unit deals with the study of the harmony of standard jazz repertoire. Students will learn to understand and use basic harmonic rules and the typical harmonic devices, diatonic progression and chord patterns which are learned with a view to generating a creative sense of jazz harmony and the ability to write small combo arrangements. The students are assessed by examination and by submitting arrangements. Legibility in copying is an assessable aspect. The harmonic techniques explored in this unit of study are used as the theoretical basis for Jazz Improvisation.

Aural Module:

This unit offers a systematic study of all simple intervals up to and including one octave, triadic harmony, four note chords in closed position and voice leading within these concepts, focusing on common harmonic movements that occur in the jazz repertoire.

*Textbooks*

The Chord Scale Theory & Jazz Harmony / Barrie Nettles; Richard Graf

## JAZZ1622

### Jazz Music Skills 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 2 **Classes:** 2 hour jazz harmony and arranging class; 2 hour jazz aural class.

**Prerequisites:** JAZZ1621 Jazz Music Skill 1 **Corequisites:** JAZZ1602 Jazz Performance 2 or JAZZ1632 Jazz Vocal 2 **Assessment:** Harmony and Arranging Module: Written harmony test (50%), approved number of arrangements (50%) Aural Module: Two tests (20% each), one 2 hour exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Harmony and Arranging Module:

In semester two, the voicing techniques for two to four horns stressing the most effective registers, harmonisation of passing tones, clusters and other techniques will be introduced. Composition of original melodies using motivic development, thematic structure and harmonisation will also be learned. The harmonic techniques explored in Jazz Music Skills 2 are used as the theoretical basis for Jazz improvisation.

Aural Module:

This unit consolidates and expands upon concepts and skills introduced in Jazz Music Skills 1, plus introducing compound intervals, open voicings, the addition of all upper extensions to all chord types, and increasingly complex harmonic structures.

*Textbooks*

The Chord Scale Theory & Jazz Harmony / Barrie Nettles; Richard Graf

## JAZZ1631

### Jazz Vocal 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr instrumental lesson; 2 hr tutorial; Jazz Concert Practice **Corequisites:** JAZZ1621 Jazz Music Skills 1 **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S.

Jazz Vocal Performance is offered under the

BMusStudies award program. Jazz vocal performance technique and style plus jazz harmony, jazz history, ear training, and music literacy will be emphasised.

## JAZZ1632

### Jazz Vocal 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr instrumental lesson; 2 hr tutorial; Jazz Concert Practice **Prerequisites:** JAZZ1631 Jazz Vocal 1 **Corequisites:** JAZZ1622 Jazz Music Skills 2 **Assessment:** teacher grade 50% Jury Exam 15 minute 50%. Students must pass both assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S.

Jazz Vocal Performance is offered under the

BMusStudies award program. Jazz vocal performance technique and style plus jazz harmony, jazz history, ear training, and music literacy will be emphasised.

## JAZZ1661

### Jazz Pedagogy

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2hr lecture per week **Assessment:** Written assignment 50%; Class Participation 50% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit of study is designed to provide students with knowledge about educational approaches



and strategies for teaching jazz to individuals and small and large groups. Topics will include approaches to teaching jazz articulation and style; performance practices including set up regarding OH&S; and jazz resources for teaching.

### JAZZ2000

#### Advanced Small Ensemble 1 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 3hrs of rehearsals/wk **Prerequisites:** JAZZ1024 Jazz Performance 2 **Corequisites:** JAZZ2020 Jazz Performance 3 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B Mus (Perf), Dip Mus, UG Study Abroad Program.

Advanced Small Ensemble is only available for Years 2 - 4, and is the premier small ensemble of the Jazz Unit. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

### JAZZ2001

#### Advanced Small Ensemble 2 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 3hrs of rehearsals/wk **Prerequisites:** JAZZ2020 Jazz Performance 3; JAZZ2000 Advanced Small Ensemble 1 **Corequisites:** JAZZ2021 Jazz Performance 4 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Mus (Perf), Dip Mus, UG Study Abroad Program.

Advanced Small Ensemble is only available for Years 2 - 4, and is the premier small ensemble of the Jazz Unit. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

### JAZZ2002

#### Big Band 3 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 x 3hr rehearsal **Prerequisites:** JAZZ1001 Big Band 2 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit of study covers all aspects of professional and creative ensemble performance, including: reading, improvisation, dynamics, tone, intonation, articulation, swing, time-feel, style and ensemble interaction. Enrolment is subject to audition.

### JAZZ2003

#### Big Band 4 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 x 3hr rehearsal **Prerequisites:** JAZZ2002 Big Band 3 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit of study covers all aspects of professional and creative ensemble performance, including: reading, improvisation, dynamics,

tone, intonation, articulation, swing, time-feel, style and ensemble interaction. Enrolment is subject to audition.

### JAZZ2004

#### Elective Jazz Orchestra 3 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ1003 Elective Jazz Orchestra 2 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit of study covers all aspects of professional and creative ensemble performance, including: reading, improvisation, dynamics, tone, intonation, articulation, swing, time-feel, style and ensemble interaction. Enrolment is subject to audition.

### JAZZ2005

#### Elective Jazz Orchestra 4 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ2004 Elective Jazz Orchestra 3 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit of study covers all aspects of professional and creative ensemble performance, including: reading, improvisation, dynamics, tone, intonation, articulation, swing, time-feel, style and ensemble interaction. Enrolment is subject to audition.

### JAZZ2006

#### Jazz Improvisation 3 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ1007 Jazz Improvisation 2 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during weekly rehearsals (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: THIS UNIT IS NOT AVAILABLE TO JAZZ PERFORMANCE MAJORS. Entry is by audition and subject to the availability of a place.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This 2 hour combo-sized class meets once per week and is taught by an expert improvisation coach. Concepts necessary for learning the skills of jazz improvisation such as swing, chord reading, scale choices, ear training, phrase construction, form, time and pitch control, repertoire and standard jazz nuances will be taught.

### JAZZ2007

#### Jazz Improvisation 4 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ2006 Jazz Improvisation 3 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during weekly rehearsals (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: THIS UNIT IS NOT AVAILABLE TO JAZZ PERFORMANCE MAJORS. Entry is by audition and subject to the availability of a place.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This 2 hour combo-sized class meets once per week and is taught by an expert improvisation coach. Concepts necessary for learning the skills of jazz improvisation such as swing, chord reading, scale choices, ear training, phrase construction, form, time and pitch control, repertoire and standard jazz nuances will be taught.

#### JAZZ2008

##### Jazz Advanced Arranging 1 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1  
**Classes:** 2hr lec/tut **Prerequisites:** JAZZ2017 Jazz Harmony and Arranging 4 **Assessment:** Assignments and end of year examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

The aim of this unit is to encourage students to explore creative approaches in arranging/composing for a large jazz ensemble. The course explores various contemporary compositional practises and concepts, including 20th century harmony, counterpoint and orchestration and looks at various ways these techniques can be used and developed in the modern jazz ensemble. Students will complete at least one original work each semester for a large jazz ensemble (10 piece minimum). Availability is subject to sufficient numbers. For further information contact the Chair of Jazz Studies, Craig Scott.

#### JAZZ2009

##### Jazz Advanced Arranging 2 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 2  
**Classes:** 2hr lec/tut **Prerequisites:** JAZZ2008 Jazz Advanced Arranging 1 **Assessment:** Assignments and end of year examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

The aim of this unit is to expand on concepts introduced in Jazz Advanced Arranging 1 and to further explore creative approaches in arranging/composing for a large jazz ensemble. The course explores various contemporary compositional practises and concepts, including 20th century harmony, counterpoint and orchestration and looks at various ways these techniques can be used and developed in the modern jazz ensemble. Students will complete at least one original work each semester for a large jazz ensemble (10 piece minimum). Availability is subject to sufficient numbers. For further information contact the Chair of Jazz Studies, Craig Scott.

#### JAZZ2016

##### Jazz Harmony and Arranging 3 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** William Motzing **Session:** Semester 1  
**Classes:** 2hr lec/tut/wk **Prerequisites:** JAZZ1020 Jazz Harmony and Arranging 2 **Assessment:** Approved number of arrangements and compositions (50%), written harmony test (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit is a continuation of Jazz Harmony and Arranging 2 and concentrates on more complex harmonic material that forms the basis for Jazz Improvisation 3 as well as learning arranging techniques for five horns and more complex ensemble music. Methods of reharmonisation of existing jazz and standard compositions will be introduced. Students will learn big band orchestration which will include ensemble scoring, sax soli, background writing, form and the related uses of counterpoint. There will be detailed analysis of scores of major composers and arrangers. Selected arrangements will be rehearsed by the Big Band. Students may be organised into ensemble-like groups and may be expected to bring their instruments to perform the works presented. For further information contact W. Motzing (Jazz Studies).

#### JAZZ2017

##### Jazz Harmony and Arranging 4 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** William Motzing **Session:** Semester 2  
**Classes:** 2hr lec/tut/wk **Prerequisites:** JAZZ2016 Jazz Harmony and Arranging 3 **Assessment:** Approved number of arrangements for big band (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Students will learn big band orchestration which will include ensemble scoring, sax soli, background writing, form and the related uses of counterpoint. There will be detailed analysis of scores of major composers and arrangers. Selected arrangements may be rehearsed by the Big Band. Students may study contemporary techniques encompassing elements of polytonality, serial composition, extended instrumental effects Lydian technique and textural voicings. This subject also deals with the harmonic concepts used in Jazz Improvisation 4. For further information contact W. Motzing (Jazz Studies).

#### JAZZ2018

##### Jazz History 3 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** William Motzing **Session:** Semester 1  
**Classes:** 2hr lec/wk **Prerequisites:** JAZZ1022 Jazz History 2 **Assessment:** 3000w written assignment (30%), 1 hour test (10%), 2hr aural exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit is a study of the careers of jazz musicians and their music from the emergence of Bebop circa 1940 until approximately 1959, including cool, west coast, hard bop, with emphasis on Miles Davis' bands.

#### JAZZ2019

##### Jazz History 4 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** William Motzing **Session:** Semester 2  
**Classes:** 2hr lec/wk **Prerequisites:** JAZZ2018 Jazz History 3 **Assessment:** 3000w written assignment (30%), 1 hour quiz (10%), 2hr aural exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The unit will focus on a study of jazz development from 1960 until the present including third stream music, free jazz, world music influence, the transition to jazz-rock and fusion, Euro-jazz and Australian jazz, with emphasis on Miles Davis' bands.

#### JAZZ2020

##### Jazz Performance 3 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2  
**Classes:** 1hr lesson, 1hr tut, 2hr impro class, and performance workshop/wk **Prerequisites:** JAZZ1024 Jazz Performance 2 **Assessment:** Individual tuition/Technical requirements (50%) plus improvisation class component (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

These units are offered as a major study and entrance is by audition and completion of a Jazz Aptitude Test. Each unit comprises 4 components: individual tuition with a specialist on the student's instrument; improvisation class; concert practice in which the student is required to attend and/or perform; and tutorials.

**JAZZ2021****Jazz Performance 4****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson, 1hr tut, 2hr impro class and performance workshop/wk **Prerequisites:** JAZZ2020 Jazz Performance 3 **Assessment:** 30min jury exam (50%) plus Improvisation (30%) plus Individual tuition (20%). Dip Mus - Junior Recital (50%) plus Improvisation (30%) plus Individual Tuition (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

These units are offered as a major study and entrance is by audition and completion of a Jazz Aptitude Test. Each unit comprises 4 components: individual tuition with a specialist on the student's instrument; improvisation class; concert practice in which the student is required to attend and/or perform; and tutorials.

**JAZZ2022****Jazz Piano 3****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1 **Classes:** 1hr tut/wk **Prerequisites:** JAZZ1026 Jazz Piano 2 or JAZZ1612 Jazz Ensemble 2 **Assessment:** 15 min technical exam (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Consolidation and further development of concepts and skills introduced in Jazz Piano 2.

**JAZZ2023****Jazz Piano 4****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 2 **Classes:** 1hr tut/wk **Prerequisites:** JAZZ2022 Jazz Piano 3 **Assessment:** 15 min technical exam (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Consolidation and further development of concepts and skills introduced in Jazz Piano 3.

**JAZZ2026****Jazz Small Ensemble 3****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ1030 Jazz Small Ensemble 2 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour, improvisational and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Each ensemble consists of a basic rhythmic section with one or more additional instruments to make up the traditional 'Combo' format. The music that is studied and performed covers a wide range, from early jazz to contemporary jazz. Enrolment is subject to audition, and availability of places. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

**JAZZ2027****Jazz Small Ensemble 4****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ2026 Jazz Small Ensemble 3 **Assessment:** A final grade will be compiled from continual assessment of

professional demeanour, improvisational and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Each ensemble consists of a basic rhythmic section with one or more additional instruments to make up the traditional 'Combo' format. The music that is studied and performed covers a wide range, from early jazz to contemporary jazz. Enrolment is subject to audition and availability of places. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

**JAZZ2030****Jazz Vocal Workshop 1****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1 **Classes:** 2hr tut/wk **Assessment:** A final grade will be compiled from continual assessment of professional demeanour, improvisational and ensemble skills demonstrated during classes (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this unit students are trained in the skills of part-singing in the Jazz style. Students will learn musical interpretation of material including Jazz standards. Sight-reading, intonation, ear training, breath control, improvisation, posture and tone are expected to be learnt to a practical performance.

**JAZZ2031****Jazz Vocal Workshop 2****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ2030 Jazz Vocal Workshop 1 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour, improvisational and ensemble skills demonstrated during classes (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Consolidation and development of content introduced in Jazz Vocal Workshop 1.

**JAZZ2038****Jazz Ear Training 3****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ1016 Jazz Ear Training 2 **Corequisites:** JAZZ2020 Jazz Performance 3 **Assessment:** Two tests (20% each), one 2 hour examination (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Non Jazz Majors will need to seek jazz unit approval from chair of unit prior to enrolling.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit consolidates and expands upon concepts and skills introduced in Jazz Ear Training 1 and 2, and introduces non-tertiary chord structures, slash chords, and more complex harmonic movements from the jazz repertoire. For further information contact C.Scott (Jazz Studies).

**JAZZ2039****Jazz Ear Training 4****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ2038 Jazz Ear Training 3 **Corequisites:** JAZZ2021 Jazz Performance 4 **Assessment:** Two tests (20%

each), one 2 hour examination (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Non Jazz Majors will need to seek jazz unit approval from chair of unit prior to enrolling.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit consolidates all concepts from Jazz Ear Training 1,2 and 3. By its conclusion, students will have systematically examined, over four semesters, aural concepts that are essential to creative musical interplay in jazz performance. For further information contact C. Scott (Jazz Studies).

## JAZZ2603

### Jazz Performance 3

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr instrumental lesson; 2 hr Improvisation class; 1 hr sectional tutorial; Jazz Concert Practice **Prerequisites:** JAZZ1602 Jazz Perf 2 **Corequisites:** JAZZ2613 Jazz Ensemble 3 ; JAZZ2703 Jazz Perf 3 Adv - Diploma students only **Assessment:** Assessment: Individual tuition/technical requirements (50%) plus improvisation class component (50%). Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), Dip Mus, UG Study Abroad Program.

These units are offered as a major study and entrance is by audition and completion of a Jazz Aptitude Test. Each unit comprises 4 components: individual tuition with a specialist on the student's instrument; improvisation class; concert practice in which the student is required to attend and/or perform; and tutorials. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

## JAZZ2604

### Jazz Performance 4

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr instrumental lesson; 2 hr Improvisation class; 1 hr sectional tutorial; Jazz Concert Practice **Prerequisites:** JAZZ2603 Jazz Perf 3 **Corequisites:** JAZZ2614 Jazz Ensemble 4; JAZZ2704 Jazz Perf 4 (ADV) - Diploma Students only **Assessment:** Assessment: 90-120 minute Jury exam conducted in the impro class format (50%) plus Improvisation 2 class (30%) plus individual tuition grade (20%). Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), Dip Mus, UG Study Abroad Program.

These units are offered as a major study and entrance is by audition and completion of a Jazz Aptitude Test. Each unit comprises 4 components: individual tuition with a specialist on the student's instrument; improvisation class; concert practice in which the student is required to attend and/or perform; and tutorials. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

## JAZZ2613

### Jazz Ensemble 3

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2 hr Small Ensemble class or 3 Hr Advanced Ensemble; 2 hr Elective Jazz Orchestra class, or 3 Hr Big Band Class **Prerequisites:** JAZZ1612 Jazz Ensemble 2 **Corequisites:** JAZZ2603 Jazz Performance 3 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour, improvisational and ensemble skills demonstrated during rehearsals and performances, and nominated assessment tasks (100%) NB: the student must pass all three elements of this Unit in order to proceed to subsequent units of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study is available for BMus(Perf) Jazz students only. Enrolment in any of the Large or Small Ensembles or Jazz Piano class for other students is by permission of Jazz Unit Chair and/or by audition in the case of small and*

*large ensemble. (The appropriate units of study for other students are Elective Jazz Orchestra 1-8, Jazz Small Ensemble 1-8 and Jazz Piano 1-4.)*

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), Dip Mus.

Jazz Ensemble 3 is a unit of study which provides the jazz student with the opportunity for: Performance of large ensemble arrangements in the Elective Jazz Orchestra, or Big Band. Performance of small ensemble works and arrangements including original works by the students themselves in a nominated jazz ensemble, or Advanced Ensemble. For further information see Jazz Handbook.

## JAZZ2614

### Jazz Ensemble 4

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2 hr Small Ensemble class or 3 Hr Advanced Ensemble; 2 hr Elective Jazz Orchestra class, or 3 Hr Big Band Class **Prerequisites:** JAZZ2613 Jazz Ensemble 3 **Corequisites:** JAZZ2604 Jazz Performance 4 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour, improvisational and ensemble skills demonstrated during rehearsals and performances, and nominated assessment tasks (100%) NB: the student must pass all three elements of this Unit in order to proceed to subsequent units of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study is available for BMus(Perf) Jazz students only. Enrolment in any of the Large or Small Ensembles or Jazz Piano class for other students is by permission of Jazz Unit Chair and/or by audition in the case of small and large ensemble. (The appropriate units of study for other students are Elective Jazz Orchestra 1-8, Jazz Small Ensemble 1-8 and Jazz Piano 1-4.)*

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), Dip Mus.

Jazz Ensemble 4 is a unit of study which provides the jazz student with the opportunity for: Performance of large ensemble arrangements in the Elective Jazz Orchestra, or Big Band.

Performance of small ensemble works and arrangements including original works by the students themselves in a nominated jazz ensemble, or Advanced Ensemble. For further information see Jazz Handbook.

## JAZZ2618

### Jazz History C

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** William Motzing **Session:** Semester 1 **Classes:** 2hr lecture per week **Prerequisites:** JAZZ1022 Jazz History B **Assessment:** Assessment: 3000w written assignment (30%), 1 hour test (10%), 2hr aural exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

This unit is a study of the careers of jazz musicians and their music from the emergence of Bebop circa 1940 until approximately 1959, including cool, west coast, hard bop, with emphasis on Miles Davis' bands. A recommended listening and reading list will be provided. For further information contact W. Motzing (Jazz Studies)

## JAZZ2619

### Jazz History D

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** William Motzing **Session:** Semester 2 **Classes:** 2hr lecture per week **Prerequisites:** JAZZ2618 Jazz History C **Assessment:** Assessment: 3000w written assignment (30%), 1 hour test (10%), 2hr aural exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus.

The unit will focus on a study of jazz development from 1960 until the present including third stream music, free jazz, world music influence, the transition to jazz-rock and fusion, Euro-jazz and Australian jazz, with emphasis on Miles Davis' bands..A recommended listening and reading list will be provided. For further information contact W. Motzing (Jazz Studies).

**JAZZ2623****Jazz Music Skills 3****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1  
**Classes:** 2 hour jazz harmony and arranging class; 2 hour jazz aural class.  
**Prerequisites:** JAZZ1622 Jazz Music Skills 2 **Corequisites:** JAZZ2603 Jazz Performance 3 or JAZZ2633 Jazz Vocal 3 **Assessment:** Harmony and Arranging Module: Written harmony test (50%), approved number of arrangements (50%) Aural Module: Two tests (20% each), one 2 hour exam (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Harmony and Arranging Module:

This unit is a continuation of Jazz Harmony and Arranging 2 and concentrates on more complex harmonic material that forms the basis for Jazz Improvisation 3 as well as learning arranging techniques for five horns and more complex ensemble music. Methods of reharmonisation of existing jazz and standard compositions will be introduced. Students will learn big band orchestration which will include ensemble scoring, sax soli, background writing, form and the related uses of counterpoint. There will be detailed analysis of scores of major composers and arrangers. Selected arrangements will be rehearsed by the Big Band.

Aural Module:

This unit consolidates and expands upon concepts and skills introduced in Jazz Music Skills 1 and 2, plus introducing advanced chord types, and increasingly complex harmonic structures.

*Textbooks*

The Chord Scale Theory & Jazz Harmony / Barrie Nettles; Richard Graf

**JAZZ2624****Jazz Music Skills 4****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 2  
**Classes:** 2 hour jazz harmony and arranging class; 2 hour jazz aural class.  
**Prerequisites:** JAZZ2623 Jazz Music Skills 3 **Corequisites:** JAZZ2604 Jazz Performance 4 or JAZZ2634 Jazz Vocal 4 **Assessment:** Harmony and Arranging Module: Written harmony test (75%), approved number of arrangements (25%) Aural Module: Two tests (20% each), one 2 hour exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Harmony and Arranging Module:

Students will learn big band orchestration which will include ensemble scoring, sax soli, background writing, form and the related uses of counterpoint. There will be detailed analysis of scores of major composers and arrangers. Selected arrangements may be rehearsed by the Big Band. Students may study contemporary techniques encompassing elements of polytonality, serial composition, extended instrumental effects Lydian technique and textural voicings. This subject also deals with the harmonic concepts used in Jazz Improvisation.

Aural Module:

This unit consolidates all concepts from Jazz Music Skills 1, 2 and 3. By its conclusion, students will have systematically examined, over four semesters, aural concepts that are essential to creative musical interplay in jazz performance.

*Textbooks*

The Chord Scale Theory & Jazz Harmony / Barrie Nettles; Richard Graf

**JAZZ2633****Jazz Vocal 3****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr instrumental lesson; 2 hr tutorial; Jazz Concert Practice **Prerequisites:** JAZZ1632 Jazz Vocal 2 **Corequisites:** JAZZ2623 Jazz Music Skills 3 **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S.

Jazz Vocal Performance is offered under the

BMusStudies award program. Jazz vocal performance technique and style plus jazz harmony, jazz history, ear training, and music literacy will be emphasised.

**JAZZ2634****Jazz Vocal 4****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr instrumental lesson; 2 hr tutorial; Jazz Concert Practice **Prerequisites:** JAZZ2633 Jazz Vocal 3 **Corequisites:** JAZZ2624 Jazz Music Skills 4 **Assessment:** teacher grade 20% Jury Exam 20 minute 80% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S.

Jazz Vocal Performance is offered under the

BMusStudies award program. Jazz vocal performance technique and style plus jazz harmony, jazz history, ear training, and music literacy will be emphasised.

**JAZZ2703****Jazz Performance 3 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr unit specific class plus master classes, and workshops and concerts as required **Prerequisites:** JAZZ1602 Jazz Perf 2 **Corequisites:** JAZZ2603 Jazz Perf 3 **Assessment:** Special project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students.*

**Associated degrees:** Dip Mus.

Jazz Perf 3 (Advanced) is designed to provide the jazz student with an opportunity to undertake additional study both in improvisation and also by completing a special project in which a specific composer, style, or movement is studied and presented. The unit encourages both peer review and self evaluation.

**JAZZ2704****Jazz Performance 4 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr unit specific class plus master classes, and workshops and concerts as required **Prerequisites:** JAZZ2703 Jazz Perf 3 (Adv) **Corequisites:** JAZZ2604 Jazz Perf 4 **Assessment:** Special project; practice/performance journal; attendance/participation in master classes as required. (Graduating) Junior Recital of 40 minutes duration **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students.*

**Associated degrees:** Dip Mus.

Jazz Perf 4 (Advanced) is designed to provide the jazz student with an opportunity to undertake additional study both in improvisation and also by completing a special project in which a specific composer, style, or movement is studied and presented. The unit encourages both peer review and self evaluation. At the conclusion of this unit the student will present elements of their research in a major performance.

**JAZZ3000****Advanced Small Ensemble 3****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 3hrs of rehearsals/wk **Prerequisites:** JAZZ2021 Jazz Performance 4; JAZZ2001 Advanced Small Ensemble 2 **Corequisites:** JAZZ3010 Jazz Performance 5 **Assessment:** A final grade will be compiled

from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** UG Study Abroad Program.

Advanced Small Ensemble is only available for Years 2 - 4, and is the premier small ensemble of the Jazz Unit. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

## JAZZ3001

### Advanced Small Ensemble 4 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 3hrs of rehearsals/wk **Prerequisites:** JAZZ3010 Jazz Performance 5; JAZZ3000 Advanced Small Ensemble 3 **Corequisites:** JAZZ3011 Jazz Performance 6 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** UG Study Abroad Program.

Advanced Small Ensemble is only available for Years 2 - 4, and is the premier small ensemble of the Jazz Unit. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

## JAZZ3002

### Big Band 5 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 x 3hr rehearsal **Prerequisites:** JAZZ2003 Big Band 4 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, UG Study Abroad Program.

This unit of study covers all aspects of professional and creative ensemble performance, including: reading, improvisation, dynamics, tone, intonation, articulation, swing, time-feel, style and ensemble interaction. Enrolment is subject to audition.

## JAZZ3003

### Big Band 6 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 x 3hr rehearsal/wk **Prerequisites:** JAZZ3002 Big Band 5 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, UG Study Abroad Program.

This unit of study covers all aspects of professional and creative ensemble performance, including: reading, improvisation, dynamics, tone, intonation, articulation, swing, time-feel, style and ensemble interaction. Enrolment is subject to audition.

## JAZZ3004

### Elective Jazz Orchestra 5 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ2005 Elective Jazz Orchestra 4 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B Mus Studies, UG Study Abroad Program.

This unit of study covers all aspects of professional and creative ensemble performance, including: reading, improvisation, dynamics, tone, intonation, articulation, swing, time-feel, style and ensemble interaction. Enrolment is subject to audition.

## JAZZ3005

### Elective Jazz Orchestra 6 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ3004 Elective Jazz Orchestra 5 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Mus Studies, UG Study Abroad Program.

This unit of study covers all aspects of professional and creative ensemble performance, including: reading, improvisation, dynamics, tone, intonation, articulation, swing, time-feel, style and ensemble interaction. Enrolment is subject to audition.

## JAZZ3006

### Jazz Improvisation 5 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ2007 Jazz Improvisation 4 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during weekly rehearsals (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: THIS UNIT IS NOT AVAILABLE TO JAZZ PERFORMANCE MAJORS. Entry is by audition and subject to the availability of a place.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

This 2 hour combo-sized class meets once per week and is taught by an expert improvisation coach. Concepts necessary for learning the skills of jazz improvisation such as swing, chord reading, scale choices, ear training, phrase construction, form, time and pitch control, repertoire and standard jazz nuances will be taught.

## JAZZ3007

### Jazz Improvisation 6 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ3006 Jazz Improvisation 5 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during weekly rehearsals (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: THIS UNIT IS NOT AVAILABLE TO JAZZ PERFORMANCE MAJORS. Entry is by audition and subject to the availability of a place.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

This 2 hour combo-sized class meets once per week and is taught by an expert improvisation coach. Concepts necessary for learning the skills of jazz improvisation such as swing, chord reading, scale choices, ear training, phrase construction, form, time and pitch control, repertoire and standard jazz nuances will be taught.

## JAZZ3010

### Jazz Performance 5 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson, 1hr tut, 2hr impro class and performance workshop/wk **Prerequisites:** JAZZ2021 Jazz Performance 4 **Assessment:** Individual tuition/technical requirements (50%) plus improvisation class component (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), UG Study Abroad Program.

These units are offered as a major study and entrance is by audition and completion of a Jazz Aptitude Test. Each unit comprises 4 components: individual tuition with a specialist on the student's instrument; improvisation class; concert practice in which the student is required to attend and/or perform; and tutorials.

### JAZZ3011

#### Jazz Performance 6

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson, 1hr tut, 2hr impro class and performance workshop/wk **Prerequisites:** JAZZ3010 Jazz Performance 5 **Assessment:** Junior Recital (50%) plus Improvisation (30%) plus Individual tuition (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), UG Study Abroad Program.

These units are offered as a major study and entrance is by audition and completion of a Jazz Aptitude Test. Each unit comprises 4 components: individual tuition with a specialist on the student's instrument; improvisation class; concert practice in which the student is required to attend and/or perform; and tutorials.

### JAZZ3012

#### Jazz Small Ensemble 5

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ2027 Jazz Small Ensemble 4 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour, improvisational and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B Mus Studies, UG Study Abroad Program.

Each ensemble consists of a basic rhythmic section with one or more additional instruments to make up the traditional 'Combo' format. The music that is studied and performed covers a wide range, from early jazz to contemporary jazz. Enrolment is subject to audition and availability of places. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

### JAZZ3013

#### Jazz Small Ensemble 6

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ3012 Jazz Small Ensemble 5 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour, improvisational and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Mus Studies, UG Study Abroad Program.

Each ensemble consists of a basic rhythmic section with one or more additional instruments to make up the traditional 'Combo' format. The music that is studied and performed covers a wide range, from early jazz to contemporary jazz. Enrolment is subject to audition, and availability of places. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

### JAZZ3018

#### Jazz Transcription and Analysis 1

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Theak **Session:** Semester 1 **Classes:** 1hr tut/wk **Prerequisites:** JAZZ2017 Jazz Harmony and Arranging 4 **Assessment:** Two completed transcriptions (25%), a 2000 word transcription / analysis essay (50%) and an oral presentation of one transcribed and analysed solo to the class (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

The process of formal analysis is an essential and integral part of learning the art of jazz improvisation. Firstly the aim of this unit is to enable the student to identify the form, content, language and style used in jazz soloing by examining: note choices and their relationship to the chords, motif development, elements of jazz language, and macro and micro elements of solo structure. Secondly the aim of this unit is study and / or identify analysis concepts such as aesthetic, modernism / post - modernism, discourse, ideology, hermeneutics and subjectivity, so that they may develop an understanding of the broader context which surrounds a given work of art and its relationship to jazz improvisation, performance and composition.

### JAZZ3019

#### Jazz Transcription and Analysis 2

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** David Theak **Session:** Semester 2 **Classes:** 1hr tut/wk **Prerequisites:** JAZZ3018 Jazz Transcription and Analysis 1 **Assessment:** A folio of four completed annotated transcriptions outlining the development of a significant jazz artist with analysis (75%), and an oral presentation of one transcribed and analysed solo to the class (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

The aim of this unit is to expand upon topics introduced to the student in Jazz Transcription and Analysis 1 and to examine other analytical techniques and terminologies, dealing with concepts of tension and release, and further elements of jazz language relating to post - bop, free, and post - modernist improvised music.

##### Textbooks

Coker, Jerry., (1991) Elements of Jazz Language. Florida: Belwin; Hodier, Andre., (1956) Jazz: Its Evolution and Essence. New York: Grove Press.; Berliner, Paul F., (1994) Thinking in Jazz. Chicago: The University of Chicago Press.

### JAZZ3605

#### Jazz Performance 5

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr instrumental lesson; 2 hr Improvisation class; 1 hr sectional tutorial; Jazz Concert Practice **Prerequisites:** JAZZ2604 Jazz Perf 4 **Corequisites:** JAZZ3615 Jazz Ensemble 5 **Assessment:** Assessment: Individual tuition/technical requirements (50%) plus improvisation class component (50%). Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), UG Study Abroad Program.

These units are offered as a major study and entrance is by audition and completion of a Jazz Aptitude Test. Each unit comprises 4 components: individual tuition with a specialist on the student's instrument; improvisation class; concert practice in which the student is required to attend and/or perform; and tutorials. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

### JAZZ3606

#### Jazz Performance 6

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr instrumental lesson; 2 hr Improvisation class; 1 hr sectional tutorial; Jazz Concert Practice **Prerequisites:** JAZZ3605 Jazz Perf 5 **Corequisites:** JAZZ3616 Jazz Ensemble 6 **Assessment:** Assessment: Junior Recital 40 minutes (50%) plus Improvisation 2 class (30%) plus individual tuition grade (20%). Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), UG Study Abroad Program.

These units are offered as a major study and entrance is by audition

and completion of a Jazz Aptitude Test. Each unit comprises 4 components: individual tuition with a specialist on the student's instrument; improvisation class; concert practice in which the student is required to attend and/or perform; and tutorials. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

### JAZZ3615

#### Jazz Ensemble 5

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2 hr Small Ensemble class or 3 Hr Advanced Ensemble; 2 hr Elective Jazz Orchestra class, or 3 Hr Big Band Class **Prerequisites:** JAZZ2614 Jazz Ensemble 4 **Corequisites:** JAZZ3605 Jazz Performance 5 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour, improvisational and ensemble skills demonstrated during rehearsals and performances, and nominated assessment tasks (100%) NB: the student must pass all elements of this Unit in order to proceed to subsequent units of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study is available for BMus(Perf) Jazz students only. Enrolment in any of the Large or Small Ensembles or Jazz Piano class for other students is by permission of Jazz Unit Chair and/or by audition in the case of small and large ensemble. (The appropriate units of study for other students are Elective Jazz Orchestra 1-8, Jazz Small Ensemble 1-8 and Jazz Piano 1-4.)*

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Jazz Ensemble 5 is a unit of study which provides the jazz student with the opportunity for: Performance of large ensemble arrangements in the Elective Jazz Orchestra, or Big Band.

Performance of small ensemble works and arrangements including original works by the students themselves in a nominated jazz ensemble, or Advanced Ensemble. For further information see Jazz Handbook.

### JAZZ3616

#### Jazz Ensemble 6

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2 hr Small Ensemble class or 3 Hr Advanced Ensemble; 2 hr Elective Jazz Orchestra class, or 3 Hr Big Band Class **Prerequisites:** JAZZ3615 Jazz Ensemble 5 **Corequisites:** JAZZ3606 Jazz Perf 6 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour, improvisational and ensemble skills demonstrated during rehearsals and performances, and nominated assessment tasks (100%) NB: the student must pass all elements of this Unit in order to proceed to subsequent units of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study is available for BMus(Perf) Jazz students only. Enrolment in any of the Large or Small Ensembles or Jazz Piano class for other students is by permission of Jazz Unit Chair and/or by audition in the case of small and large ensemble. (The appropriate units of study for other students are Elective Jazz Orchestra 1-8, Jazz Small Ensemble 1-8 and Jazz Piano 1-4.)*

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Jazz Ensemble 6 is a unit of study which provides the jazz student with the opportunity for: Performance of large ensemble arrangements in the Elective Jazz Orchestra, or Big Band.

Performance of small ensemble works and arrangements including original works by the students themselves in a nominated jazz ensemble, or Advanced Ensemble. For further information see Jazz Handbook.

### JAZZ3631

#### Music Business Skills

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** David Theak **Session:** Semester 1 **Classes:** 2hr lecture per week **Assessment:** (1) Press Kit - 25% (2) Tour Plan - 50% (3) Business Plan - 25% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Music Business Skills is designed to prepare graduating students for the non-musical aspects of their forthcoming career. The course is

designed as an overview of the many different facets of the music industry, including setting up a small music business (including GST/taxation overview and responsibilities), funding sources and alternatives, tour planning and budgeting, producing and designing promotional tools, dealing with record company's/music publishing, and other essential techniques and requirements of running a successful music business in today's competitive arts environment.

### JAZZ3635

#### Jazz Vocal 5

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr instrumental lesson; 2 hr tutorial; Jazz Concert Practice **Prerequisites:** JAZZ2634 Jazz Vocal 4 **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S.

Jazz Vocal Performance is offered under the

BMusStudies award program. Jazz vocal performance technique and style plus jazz harmony, jazz history, ear training, and music literacy will be emphasised.

### JAZZ3636

#### Jazz Vocal 6

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr instrumental lesson; 2 hr tutorial; Jazz Concert Practice **Prerequisites:** JAZZ3635 Jazz Vocal 5 **Assessment:** 20% Teacher Grade; 80% Jury Exam (30 minutes.) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S.

Jazz Vocal Performance is offered under the

BMusStudies award program. Jazz vocal performance technique and style plus jazz harmony, jazz history, ear training, and music literacy will be emphasised.

### JAZZ4000

#### Advanced Small Ensemble 5

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 3hrs of rehearsals/wk **Prerequisites:** JAZZ3011 Jazz Performance 6; JAZZ3001 Advanced Small Ensemble 4 **Corequisites:** JAZZ4010 Jazz Performance 7 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

Advanced Small Ensemble is only available for Years 2 - 4, and is the premier small ensemble of the Jazz Unit. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

### JAZZ4001

#### Advanced Small Ensemble 6

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 3hrs of rehearsals/wk **Prerequisites:** JAZZ4010 Jazz Performance 7; JAZZ4000 Advanced Small Ensemble 5 **Corequisites:** JAZZ4012 Jazz Performance 8 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

Advanced Small Ensemble is only available for Years 2 - 4, and is the premier small ensemble of the Jazz Unit. Performers in this ensemble will be expected to participate in several public performances during the year. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.



**JAZZ4002****Big Band 7****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 x 3hr rehearsal/wk **Prerequisites:** JAZZ3003 Big Band 6 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study covers all aspects of professional and creative ensemble performance, including: reading, improvisation, dynamics, tone, intonation, articulation, swing, time-feel, style and ensemble interaction. Enrolment is subject to audition.

**JAZZ4003****Big Band 8****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 x 3hr rehearsal/wk **Prerequisites:** JAZZ4002 Big Band 7 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study covers all aspects of professional and creative ensemble performance, including: reading, improvisation, dynamics, tone, intonation, articulation, swing, time-feel, style and ensemble interaction. Enrolment is subject to audition.

**JAZZ4004****Elective Jazz Orchestra 7****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ3005 Elective Jazz Orchestra 6 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

This unit of study covers all aspects of professional and creative ensemble performance, including: reading, improvisation, dynamics, tone, intonation, articulation, swing, time-feel, style and ensemble interaction. Enrolment is subject to audition.

**JAZZ4005****Elective Jazz Orchestra 8****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ4004 Elective Jazz Orchestra 7 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

This unit of study covers all aspects of professional and creative ensemble performance, including: reading, improvisation, dynamics, tone, intonation, articulation, swing, time-feel, style and ensemble interaction. Enrolment is subject to audition.

**JAZZ4006****Jazz Improvisation 7****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ3007 Jazz Improvisation 6 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during weekly rehearsals (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: THIS UNIT IS NOT AVAILABLE TO JAZZ PERFORMANCE MAJORS. Entry is by audition and subject to the availability of a place.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S.

This 2 hour combo-sized class meets once per week and is taught by an expert improvisation coach. Concepts necessary for learning the skills of jazz improvisation such as swing, chord reading, scale choices, ear training, phrase construction, form, time and pitch control, repertoire and standard jazz nuances will be taught.

**JAZZ4007****Jazz Improvisation 8****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ4006 Jazz Improvisation 7 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during weekly rehearsals (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: THIS UNIT IS NOT AVAILABLE FOR JAZZ MAJORS. Entry is by audition and subject to the availability of a place.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S.

This 2 hour combo-sized class meets once per week and is taught by an expert improvisation coach. Concepts necessary for learning the skills of jazz improvisation such as swing, chord reading, scale choices, ear training, phrase construction, form, time and pitch control, repertoire and standard jazz nuances will be taught.

**JAZZ4010****Jazz Performance 7****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson, 1hr tut, 3hr impro class and performance workshop/wk **Prerequisites:** JAZZ3011 Jazz Performance 6 **Corequisites:** CMPN2006 Sound Recording Fundamentals **Assessment:** Individual tuition/Technical requirements (50%) plus improvisation class component (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

These units are offered as a major study and entrance is by audition and completion of a Jazz Aptitude Test. Each unit comprises 4 components: individual tuition with a specialist on the student's instrument; improvisation class; concert practice in which the student is required to attend and/or perform; and tutorials.

**JAZZ4012****Jazz Performance 8****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson, 1hr tut, 3hr impro class and performance workshop/wk **Prerequisites:** JAZZ4010 Jazz Performance 7 **Corequisites:** CMPN2007 Sound Recording Advanced **Assessment:** Senior recital (50%) plus Improvisation (30%) plus Individual tuition (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

These units are offered as a major study and entrance is by audition and completion of a Jazz Aptitude Test. Each unit comprises 4 components: individual tuition with a specialist on the student's instrument; improvisation class; concert practice in which the student is required to attend and/or perform; and tutorials.

**JAZZ4014****Jazz Small Ensemble 7****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ3013 Jazz Small Ensemble 6 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour, improvisational and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

Each ensemble consists of a basic rhythmic section with one or more additional instruments to make up the traditional 'Combo' format. The music that is studied and performed covers a wide range, from early jazz to contemporary jazz. Enrolment is subject to audition and availability of places. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

### JAZZ4015

#### Jazz Small Ensemble 8

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2hr tut/wk **Prerequisites:** JAZZ4014 Jazz Small Ensemble 7 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour, improvisational and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

Each ensemble consists of a basic rhythmic section with one or more additional instruments to make up the traditional 'Combo' format. The music that is studied and performed covers a wide range, from early jazz to contemporary jazz. Enrolment is subject to audition and availability of places. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

### JAZZ4607

#### Jazz Performance 7

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr instrumental lesson; 2 hr Improvisation class; 1 hr sectional tutorial; Jazz Concert Practice **Prerequisites:** JAZZ3606 Jazz Perf 6 **Corequisites:** JAZZ4707 Jazz Perf 7 (Adv), JAZZ4617 Jazz Ensemble 7 **Assessment:** Assessment: Individual tuition/technical requirements (50%) plus improvisation class component (50%). Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students are strongly recommended to enrol concurrently in CMPN2006 Sound Recording Fundamentals. Jazz Honours students will do different Units of Study. See Honours.*

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

These units are offered as a major study and entrance is by audition and completion of a Jazz Aptitude Test. Each unit comprises 4 components: individual tuition with a specialist on the student's instrument; improvisation class; concert practice in which the student is required to attend and/or perform; and tutorials. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of Unit, Craig Scott.

### JAZZ4608

#### Jazz Performance 8

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr instrumental lesson; 2 hr Improvisation class; 1 hr sectional tutorial; Jazz Concert Practice **Prerequisites:** JAZZ4607 Jazz Perf 7 **Corequisites:** JAZZ4708 Jazz Perf 8 (Adv), JAZZ4618 Jazz Ensemble 8 **Assessment:** Assessment Senior Recital 50 minutes (50%) plus Improvisation 2 class (30%) plus individual tuition grade (20%). Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students are strongly recommended to enrol concurrently in CMPN2007 Sound Recording Advanced. Jazz Honours students will do different Units of Study. See Honours*

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

These units are offered as a major study and entrance is by audition and completion of a Jazz Aptitude Test. Each unit comprises 4 components: individual tuition with a specialist on the student's instrument; improvisation class; concert practice in which the student is required to attend and/or perform; and tutorials. For further details, refer to the Jazz Unit Handbook and/or please contact the Chair of

Unit, Craig Scott.

### JAZZ4617

#### Jazz Ensemble 7

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2 hr Small Ensemble class or 3 Hr Advanced Ensemble; 2 hr Elective Jazz Orchestra class, or 3 Hr Big Band Class **Prerequisites:** JAZZ3616 Jazz Ensemble 6 **Corequisites:** JAZZ4607 Jazz Perf 7 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour, improvisational and ensemble skills demonstrated during rehearsals and performances, and nominated assessment tasks (100%) NB: the student must pass all elements of this Unit in order to proceed to subsequent units of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study is available for BMus(Perf) Jazz students only. Enrolment in any of the Large or Small Ensembles or Jazz Piano class for other students is by permission of Jazz Unit Chair and/or by audition in the case of small and large ensemble. (The appropriate units of study for other students are Elective Jazz Orchestra 1-8, Jazz Small Ensemble 1-8 and Jazz Piano 1-4.)*

**Associated degrees:** B Mus (Perf).

Jazz Ensemble 7 is a unit of study which provides the jazz student with the opportunity for: Performance of large ensemble arrangements in the Elective Jazz Orchestra, or Big Band.

Performance of small ensemble works and arrangements including original works by the students themselves in a nominated jazz ensemble, or Advanced Ensemble. For further information see Jazz Handbook.

### JAZZ4618

#### Jazz Ensemble 8

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 2 hr Small Ensemble class or 3 Hr Advanced Ensemble; 2 hr Elective Jazz Orchestra class, or 3 Hr Big Band Class **Prerequisites:** JAZZ4617 Jazz Ensemble 7 **Corequisites:** JAZZ4608 Jazz Perf 8 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour, improvisational and ensemble skills demonstrated during rehearsals and performances, and nominated assessment tasks (100%) NB: the student must pass all elements of this Unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study is available for BMus(Perf) Jazz students only. Enrolment in any of the Large or Small Ensembles or Jazz Piano class for other students is by permission of Jazz Unit Chair and/or by audition in the case of small and large ensemble. (The appropriate units of study for other students are Elective Jazz Orchestra 1-8, Jazz Small Ensemble 1-8 and Jazz Piano 1-4.)*

**Associated degrees:** B Mus (Perf).

Jazz Ensemble 8 is a unit of study which provides the jazz student with the opportunity for: Performance of large ensemble arrangements in the Elective Jazz Orchestra, or Big Band.

Performance of small ensemble works and arrangements including original works by the students themselves in a nominated jazz ensemble, or Advanced Ensemble. For further information see Jazz Handbook.

### JAZZ4707

#### Jazz Performance 7 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr impro class plus master classes, and workshops and concerts as required **Prerequisites:** JAZZ3606 Jazz Perf 6 **Corequisites:** JAZZ4607 Jazz Perf 7 **Assessment:** Special project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Jazz Perf 7 (Advanced) is designed to provide the jazz student with an opportunity to undertake additional study both in improvisation and also by completing a special project in which a specific composer, style, or movement is studied and presented. The unit encourages both peer review and self evaluation.

### JAZZ4708

#### Jazz Performance 8 (Advanced)

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr impro class plus master classes, and workshops and concerts as required **Prerequisites:** JAZZ4707 Jazz Perf 7 (Adv) **Corequisites:** JAZZ4608 Jazz Perf 8 **Assessment:** Special project; practice/performance journal; attendance/participation in master classes as required. Senior Recital of 50 minutes duration **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Jazz Perf 8 (Advanced) is designed to provide the jazz student with an opportunity to undertake additional study both in improvisation and also by completing a special project in which a specific composer, style, or movement is studied and presented. The unit encourages both peer review and self evaluation. At the conclusion of this unit the student will present elements of their research in a major performance.

## JCTC1001

### Palestine: Roman Rule to Islam

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Rutland **Session:** Semester 1 **Classes:** 2 hour lecture and 1 hour tutorial per week **Assessment:** 2 hour exam (40%), 2000 word essay (30%), 500 word synopsis of a tutorial paper (20%), class participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program.

How did the religion and history of the Jewish people change from the Second Temple to the rabbinic period? Explore the history and religion of the Jews during the watershed period in Palestine under Roman rule. Study the Hellenist influence on Judaism, the development of different sects, including the Dead Sea sect, and the emergence of Christianity. Lectures (2 hours a week) focus on the history of the period. Tutorials (1 hour a week) deal with broad questions such as who is a Jew and universalism and chosenness in Judaism together with a knowledge and understanding of basic Jewish belief and practice. Students will gain insights into the evolution of Judaism from pagan times to the present. At the upper level, students can study Medieval Judaism, Holocaust and Israel.

#### Textbooks

Ben-Sasson, H.H (ed) A History of the Jewish People, Cambridge, Mass., Harvard University Press, 1976  
Telushkin, J., Jewish Literacy: The Most Important Things to Know About the Jewish Religion, its People and its History, N.Y., William Morrow, 2001  
Holtz, B. ed., Back to the Sources: Reading the Classical Jewish Texts, N.Y., Touchstone, 1992

## JCTC1002

### Jewish Settlement Outside Palestine

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Rutland **Session:** Semester 2 **Classes:** 2 hour lecture and 1 hour tutorial per week **Prerequisites:** JCTC1001 **Assessment:** 2 hour exam (40%), 2000 word essay (30%), 500 word synopsis of a tutorial paper (20%), class participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program.

Do you wish to understand the gradual dispersion of Jews from Palestine? Study this unit to understand the spread of Judaism from Palestine into Africa and Asia. Students will study the story of Muhammed and the rise of Islam; the place of the Jew under Islamic law and the rapid Islamic conquest of much of the known world. They will learn about the dispersed diaspora communities in Babylon and Egypt and the development of Jewish communities in India and China from their early origins to the present day. Lectures are 2 hours and focus on the history of the period. The tutorials (1 hour a week), deal with moral, ethical and philosophical questions relating to Judaism. Discussions will explore the existence and nature of God, prophecy, the Messiah, Torah and the commandments, conversion to Judaism and Jewish attitudes to other faiths.

## JCTC1801

### Jewish Civilization Exchange

## Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Arts.

## JCTC2603

### Jews Under the Crescent and the Cross

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Rutland **Session:** Semester 1 **Classes:** 2 hour lecture, 1 hour tutorial per week **Prerequisites:** JCTC1001 or one of HSTY1022, HSTY1031, HSTY1043, HSTY1044, HSTY1045, HSTY1076, HSTY1088, RLST1001, RLST1002 **Prohibitions:** JCTC2003 **Assessment:** 2 hour exam (40%), 2000 word essay (30%), 500 word synopsis of a tutorial paper (20%), class participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

The story of Jews living under the Crescent (Muslim rule) and the Cross (Christian rule) comprises a vibrant period of Jewish history. The unit explores Jews under Muslim rule in Spain and the experiences of Jews under Christian rule in Germany, France and England in the Medieval period, including the problems of Christian antisemitism and the Crusades. These are seminal periods in the development of Jewish thought, with the contribution of great commentators and philosophers including Moses Maimonides.

## JCTC2604

### From Expulsion to Regeneration

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Rutland **Session:** Semester 2 **Classes:** 2 hour lecture, 1 hour tutorial per week **Prerequisites:** JCTC1001 or one of HSTY1022, HSTY1031, HSTY1043, HSTY1044, HSTY1045, HSTY1076, HSTY1088, RLST1001, RLST1002 **Prohibitions:** JCTC2004 **Assessment:** 2 hour exam (40%), 2000 word essay (30%), 500 word synopsis of a tutorial paper (20%), class participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

One of the most traumatic events in Jewish history was the expulsion of the Jews from Spain in 1492. Explore the reasons behind the expulsion and the ways in which new centres of Jewish life emerged, especially in Eastern Europe. Light will also be shed on the establishment of Jewish communities in the Netherlands and England on the eve of emancipation when the new ideas of the Enlightenment paved the way for the rise of the modern Jew.

## JCTC2605

### From Emancipation to the Holocaust

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Rutland **Session:** Semester 1 **Classes:** 2 hour lecture, 1 hour tutorial per week **Prerequisites:** JCTC1001 or one of HSTY1022, HSTY1031, HSTY1043, HSTY1044, HSTY1045, HSTY1076, HSTY1088 **Assessment:** 2 hour exam (40%), 2000 word essay (30%), 500 word synopsis of a tutorial paper (20%), class participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This unit is designed to introduce students to the turbulent history of European Jewry, 1750 to 1933. Against the background of far-reaching transformation in almost every aspect of society and culture, the Jew's entry into the modern world will be examined. At the centre stands the process of acculturation, integration, assimilation and Zionism, as well as the responses by non-Jewish society, especially the rise of modern antisemitism.

## JCTC2606

### The Holocaust: History and Aftermath Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Kwiet, Dr Moses **Session:** Semester 2 **Classes:** 2 hour lecture, 1 hour tutorial per week **Prerequisites:** JCTC1001 or 6 junior credit points from History. **Prohibitions:** JCTC2006 **Assessment:** 3000 word essay (50%), 1500 word essay (30%), class participation (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This unit provides an in-depth study of the Holocaust. Special emphasis will be placed on the development of Nazi ideology, in particular racial antisemitism, and the gradual implementation of this policy towards the Jews and other victim groups from 1933 to 1945. Other themes focus on the responses of the victims and the role of the by-standers, as well as post-war politics of memory and other issues, including Holocaust denial and war crimes prosecution.

## JCTC2607

### Israel in the Modern Middle East Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Rutland **Session:** Semester 1 **Classes:** 2 hours of lectures, 1 hour tutorial per week **Prerequisites:** JCTC1001 or one of HSTY1022, HSTY1025, HSTY1031, HSTY1043, HSTY1044, HSTY1045 **Assessment:** 2000 word essay, 500 word synopsis of tutorial paper, 2 hour exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

Israel's position in the modern Middle East and the wider world from state formation to the present has been shaped by social, political and economic processes. Study these processes in the context of the nature of Israeli society and the major foreign policy decisions taken by Israeli leaders. Topics to be studied include: the genesis and development of Zionism, democracy and religion in Modern Israel, post-Zionism, the role of the Holocaust in Israel, Jerusalem and the settlements.

## JCTC2811

### Jewish Civilisation Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

## JCTC2812

### Jewish Civilisation Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

## JCTC2813

### Jewish Civilisation Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

## JCTC2814

### Jewish Civilisation Exchange

## Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

## JCTC2815

### Jewish Civilization Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

## JCTC2816

### Jewish Civilisation Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

## JCTC4011

### Judaic Studies Honours A Arts

**Credit points:** 12 **Teacher/Coordinator:** Assoc Prof Rutland **Session:** Semester 1, Semester 2 **Classes:** Two 2 hour sessions per week in Semester 1 and one 2 hour session per week in Semester 2 **Assessment:** Assignment work for each course (20% each), 15000 word thesis (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Int S (Hons), Dip Arts(Hons).

In addition to the compulsory core unit of study, Jewish Civilisation: Methodology and Tools, students will choose two IV Honours options, each of which will involve two hours a week of classes per semester. The options are:

Classical Period: Biblical Literature, Second Temple Writings.

Modern Period: Yiddish Literature in Translation, Yiddish Popular Culture, The Australian Jewish Experience, The German Jewish Experience, Holocaust Research: Trends and Problems.

Students can choose to specialise in either the Classical or Modern period, in which case they must do a minimum of two options in their specialty, and their dissertation must be in their area of specialty. Each student in IV Honours will write a thesis of a minimum of 15000 words on a subject related to their designated area. The topic will be chosen in consultation with the department's staff and individual guidance will be provided.

## JCTC4012

### Judaic Studies Honours B Arts

**Credit points:** 12 **Teacher/Coordinator:** Assoc Prof Rutland **Session:** Semester 1, Semester 2 **Corequisites:** JCTC4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Int S (Hons), Dip Arts(Hons).

Refer to JCTC4011

## JCTC4013

### Judaic Studies Honours C Arts

**Credit points:** 12 **Teacher/Coordinator:** Assoc Prof Rutland **Session:** Semester 1, Semester 2 **Corequisites:** JCTC4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Int S (Hons), Dip Arts(Hons).

Refer to JCTC4011

**JCTC4014****Judaic Studies Honours D****Arts**

**Credit points:** 12 **Teacher/Coordinator:** Assoc Prof Rutland **Session:** Semester 1, Semester 2 **Corequisites:** JCTC4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Int S (Hons), Dip Arts(Hons).

Refer to JCTC4011

**JPNS1611****Japanese 1****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Ms Seiko Yasumoto **Session:** Semester 1, Summer Main, Winter Main **Classes:** 4 hours per week **Prohibitions:** JPNS1111, any HSC Japanese Course **Assessment:** Continuous class assessment (i.e. weekly quizzes, speaking, writing, listening tests) (2000 words), 2 hour semester exam (2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program, UG Summer/Winter School.

This beginners' unit introduces basic communication skills in understanding and speaking Japanese. Students will also learn to write the two Japanese syllabaries and approximately 60 kanji characters and to recognise at least 100 kanji characters in context. Relevant socio-cultural information is integrated with the language learning. This unit also includes a weekly culture lecture.

*Textbooks*

To be advised in the orientation period.

**JPNS1612****Japanese 2****Arts**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** JPNS1111 or JPNS1611 **Prohibitions:** JPNS1121 **Assessment:** Continuous class assessment (i.e. weekly quizzes, speaking, writing, listening tests) (2000 words), 2 hour semester exam (2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit develops both the basic communication skills and the learning skills introduced in semester one. Students will continue to learn to use and understand Japanese in meaningful, everyday contexts. They will be able to write more than 150, and to recognise at least 200 kanji characters in context. Relevant socio-cultural information is integrated with the language learning.

**JPNS1801****Japanese Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Lang Stud.

**JPNS1802****Japanese Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Lang Stud.

**JPNS2611****Japanese 3****Arts**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hours per week. **Prerequisites:** 65% or more in HSC Japanese Beginners or less than 70% in Japanese Continuers, or JPNS1121 or JPNS1612 **Prohibitions:** JPNS1114, JPNS2212 **Assessment:** Continuous assessment, including class quizzes, tests and written assignments (3000 words), 1 hour exam (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit consolidates basic grammar and introduces intermediate grammar, through communicative methods and reading practice. By the end of the semester, students should be able to keep up a conversation for a short time in a dialogue, to write short passages without the assistance of dictionaries, to read narrative texts, and to recognise the difference between written and spoken modes of communication in Japanese. Students will be able to write approximately 200 kanji and to recognise about 300 kanji.

**JPNS2612****Japanese 4****Arts**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** JPNS1114 or JPNS2212 or JPNS2611 **Prohibitions:** JPNS1124, JPNS2222 **Assessment:** Continuous assessment including class quizzes, tests and written assignments (3000 words), 1 hour exam (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims to consolidate basic grammar and introduce intermediate grammar through communicative methods and reading practice. By the end of the semester, students are expected to be able to sustain a conversation about a selected topic for several minutes in a dialogue, to write a well-structured short essay without the assistance of dictionaries, and to read Japanese texts on a wide variety of topics. They will be able to write approximately 300 kanji and to recognise about 400 kanji.

**JPNS2621****Japanese 5****Arts**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** HSC Japanese Extension or Japanese Continuers 70% or above or equivalent determined by the department; or JPNS1124 or JPNS2222 or JPNS2612 **Prohibitions:** JPNS2213 **Assessment:** Continuous assessment (weekly quizzes equivalent to 200 words), tests (speaking, writing, listening and reading comprehension tests) (2300 words), 2 hour exam (2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims to develop students' speaking, writing and reading skills for the intermediate level of Japanese, so that they are able to use Japanese in a variety of situations. Students will be expected to achieve the following linguistic skills: switch to appropriate speech style in formal and informal situations; express opinions and thoughts; write about 350 kanji and recognise at least 600 kanji. Writing and reading practice will consolidate grammatical, lexical and cultural knowledge.

**JPNS2622****Japanese 6****Arts**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** JPNS2621 or JPNS2213 **Prohibitions:** JPNS2223 **Assessment:** Continuous assessment (weekly quizzes) (200 words), tests (speaking, writing, listening and reading comprehension tests) (2300 words), 2 hour exam (2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims to consolidate and extend intermediate level linguistic skills, through the acquisition of conversational strategies such as notions of apology, reasoning, opinions and explanations. Besides oral practice, writing and reading practice will help strengthen grammatical, lexical and cultural knowledge. Students will be able to read about 850 kanji and write about 500 kanji by the end of the semester. The above aims will be achieved by exploring various topics relating to contemporary Japan through authentic materials.

**JPNS2660****Introduction to Japan  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Matthew Stavros **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** JPNS1121 or JPNS1612 **Prohibitions:** JPNS2622, JPNS3622, JPNS3632 **Assessment:** Group project (1500 words), 2 quizzes (1250 words each), essay (2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims to help students of Japanese language understand and acquire knowledge of Japanese society and culture at an introductory level. The unit will be taught in English but will acquaint students with key words and concepts in Japanese. Themes to be covered may include: social structures; contemporary issues and their historical backgrounds; language use in Japanese society; literary and cultural trends; urban culture.

**JPNS2670****Japanese Literature  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Yasuko Claremont **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** JPNS1124 or JPNS2222 (from 2007, JPNS2612) **Prohibitions:** JPNS3116; JPNS3621; JPNS2301; JPNS3631; JPNS3301 **Assessment:** 2 hour final exam (equivalent to 2000 words), 1 hour mid-semester exam (equivalent to 1000 words), presentation equivalent to 1000 words, essay writing equivalent to 1500 words and continuous assessment (equivalent to 500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit of study aims at improving students' language skills by reading modern Japanese literature, which is expressed at a different level from daily use. The comprehension of Japanese literary texts enables students to gain an insight into the writers' themes and expressions and is relevant to contemporary life. When necessary, English translations will be used in conjunction with authentic Japanese material. Students are expected to develop a critical appreciation of Japanese literature.

**JPNS2672****Japanese Media Culture and New Japan  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Ms Seiko Yasumoto **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** JPNS1124 or JPNS2222 or JPNS2612 **Prohibitions:** JPNS3106, JPNS3621, JPNS3631 **Assessment:** Continuous assessment including class quizzes (1000 words each), discussions and research based project (2500 words), and a 1.5 hour exam (1500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims to explore the new Japan and its youth cultures and to guide students to understand and broaden their knowledge of changing aspects of Japanese culture and society. Topics from Japanese traditions through to contemporary culture will be analysed. Learning activities include reading media texts (e.g. newspaper articles), video analysis, discussion and research. The unit also provides students with opportunities to pursue their interests and develop cultural knowledge and communication skills.

**JPNS2811****Japanese Exchange 3  
Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

**JPNS2812****Japanese Exchange 4****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

**JPNS2813****Japanese Exchange 5  
Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

**JPNS2814****Japanese Exchange 6  
Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

**JPNS2815****Japanese Exchange 7  
Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

**JPNS3621****Japanese 7  
Arts**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** JPNS1123 or JPNS2223 or JPNS2622 **Prohibitions:** JPNS2301 **Assessment:** 2 written class tests (800 words), 3 oral presentations (900 words), 5 kanji character quizzes (300 words), class preparation and participation (500 words), 2 hour semester exam (2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Classes will involve a range of learning styles for further development of speaking, listening, reading and writing skills. These will include discussion, short surveys, role-plays, reading passages and short translation exercises. Students will also learn how to use a word processor, email and the Internet in Japanese. By the end of this unit of study, students will be able to read approximately 1100 kanji and write 600 kanji.

**JPNS3622****Japanese 8  
Arts**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** JPNS3621 or JPNS2301 **Prohibitions:** JPNS2302 **Assessment:** 2 written class tests (800 words), 3 oral presentations (900 words), 5 kanji character quizzes (300 words), class preparation and participation (500 words), 2 hour final exam (2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is designed to consolidate and extend skills acquired in JPNS3621. Learning styles will include discussion, short surveys, role-plays, reading passages and short translation exercises. Students will also continue learning how to use a word processor, email and the Internet in Japanese. By the end of this unit of study, students will be able to read approximately 1350 kanji and write 700 kanji.

**JPNS3631****Japanese 9****Arts**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hours per week  
**Prerequisites:** JPNS2302 or JPNS3622 **Prohibitions:** JPNS3301  
**Assessment:** Continuous class assessment including essay writing (1000 words), mid-term exam (1000 words), group and individual presentations (2000 words), 2 hour exam (2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims at the further development of skills beyond the intermediate level. The goals of the unit include the development of skills in language analysis; the understanding of unfamiliar texts of a non-specialist nature; the ability to summarise, to evaluate information critically and to express opinions on a wide range of research topics. Students will be able to write at least 800 kanji and recognise about 1600 kanji.

*Textbooks*

To be advised in class.

**JPNS3632****Japanese 10****Arts**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hours per week  
**Prerequisites:** JPNS3301 or JPNS3631 **Prohibitions:** JPNS3302  
**Assessment:** 1 hour mid-semester exam (1000 words), presentation (1500 words), essay writing (1000 words), continuous assessment (500 words), 2 hour semester exam (2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims at revising and extending language skills to a higher level in order to achieve confidence and proficiency in expressing your views in written and spoken Japanese. Students are expected to develop analytical skills in reading a variety of contemporary writings such as essays, roundtable discussions and articles, and in discussion of current issues and topics. Students will be able to write 900 kanji and recognise about 1850 kanji.

*Textbooks*

To be advised in class.

**JPNS3673****Japanese Society****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Chun-Fen Shao **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** JPNS1123 or JPNS2223 or JPNS2622 or JPNS1125 **Prohibitions:** JPNS3314 **Assessment:** Continuous class assessment, including class quizzes, tests, presentation and written assignments (total 5000 words), 1 hour exam (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

Is Japan a unique country? What are the similarities and differences between Japan, Australia and other countries? This unit of study offers students the opportunity to explore various aspects of contemporary Japanese society and culture through reading Japanese texts in the original, through group discussions, and through cross-cultural comparisons. Students will develop their own opinions on a range of social and cultural issues while improving their reading, analytical, and both oral and written communication skills.

**JPNS3676****Monsters & Ghosts: Japanese Fantasy & SF****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Rebecca Suter **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** JPNS1123 or JPNS1125 or JPNS2223 or JPNS2622 **Assessment:** 2 in-class quizzes (500 words each), group presentation (equivalent to 1000 words), 1 essay (1500 words), 1 research project (2500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

The course will focus on fantasy and science fiction as means of representing the Other in modern Japanese literature and popular culture. Building on Tzvetan Todorov's definition of the fantastic as a hesitation between the realistic and the supernatural, it will analyse the way in which Japanese fantasy tackles issues of modernity, gender and cultural difference in a variety of genres and media, including the novel and short story, manga, anime and film, from the Meiji period to the present.

**JPNS3677****Behaving the Japanese Way****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Olivier Ansart **Session:** Semester 1 **Classes:** 2 hours per week **Prohibitions:** ASNS2306, JPNS2316 **Assessment:** Tutorial discussions, presentations and writing tasks (equivalent to 1500 words), 2500 word essay, 2 hour examination (2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

It is alleged that, at the national level, power in Japan has been monopolized since 1945 by much the same clique, but also that it is never where it seems to be - that it is based on consensus, bottom-up decision-making, but is also deeply authoritarian. Through both Japanese and English sources, we will focus on the exercise of power in contemporary politics, administration, and private enterprise as well as psycho-sociology, education, political and moral thought, and economic structures.

**JPNS3841****Japan In-Country Study 1****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** 12 Junior JPNS credit points **Assessment:** As required by the host institution. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

Approved course in a tertiary level institution in Japan.

**JPNS3842****Japan In-Country Study 2****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** 12 Junior JPNS credit points **Assessment:** As required by the host institution. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

Approved course in a tertiary level institution in Japan.

**JPNS4011****Japanese Honours A****Arts**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** 'Credit' average or better in the major plus 12 additional Senior credit points, including JPNS3902 or ASNS3690 Approaches to Research in Asian Studies. They may include one 6-credit point Japan-related Asian Studies unit of study. **Assessment:** Coursework assessments (50%) and 15000-20000 word thesis (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Honours IV students are required to complete all four components: JPNS4011, JPNS4012, JPNS4013, JPNS4014. These components comprise coursework from a pool of postgraduate offerings plus a thesis. Coursework and thesis components are each weighted at 50% of the final result. Students will complete coursework in three of the following areas depending on staff availability:

1. Contemporary issues in Japan: Major topics of concern in contemporary Japanese society and politics.

2. Japanese thought: Discussion of the thought modes, value systems and behaviour patterns that run throughout the course of Japanese history.

3. Japanese history: Focus on conceptual and methodological issues in modern Japanese history, with emphasis on historiography, examining both Japanese and Western historical writings.

4. Japanese literature: Intensive study of classical and/or modern literary texts.

#### JPNS4012

##### Japanese Honours B

###### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** JPNS4011  
**Assessment:** Written assignment and/or exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Coursework in one of the following areas: Japanese society, thought, history, or literature.

#### JPNS4013

##### Japanese Honours C

###### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** JPNS4012  
**Assessment:** Written assignment and/or exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Coursework in one of the following areas: Japanese society, thought, history, or literature.

#### JPNS4014

##### Japanese Honours D

###### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** JPNS4013  
**Assessment:** Thesis (15000-20000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Students will be required to write a 15000-20000 word thesis on an approved Japanese topic.

#### JURS3001

##### Sociological Jurisprudence

###### Law

**Credit points:** 8 **Teacher/Coordinator:** Assoc Prof Alex Ziegert **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Assessment:** 1x2000wd research note (40%) and 1x6000wd research paper (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Completion of this unit satisfies the Jurisprudence/Part 2 requirement of the LLB.*

**Associated degrees:** LL B, UG Study Abroad Program.

The unit of study will introduce the student to the basic concepts of sociological theory and methodology and will show how these concepts can be applied to the observation of the functioning of law. On the basis of such a primary understanding of how societies organise themselves and their law it will become possible for the student to appreciate and evaluate critically the efforts of socio-legal research and the conceptions of some major contributors to the sociological theory of law. The first part of this unit will look at what sociological theory and research can offer today in the description of social life, the explanation of how societies are organised, why people do what they do. Elementary sociological concepts like norm, role, group, power, class, social structure and social system will be related to the operation of the law. Concepts like these provide the tools which make it possible to examine and study systematically and carefully the social organisation and structure of legal systems, the operation and the social environments in which and in relation to which they are operating. The second part of this unit will introduce the student to the methodological and practical issues of empirical socio-legal

research. It will focus on the design and on the practical conducting of a study on selected aspects of the function and operations of courts in the legal process. This part of the unit will be assessed as a research assignment.

#### JURS3003

##### Comparative Constitutionalism

###### Law

**Credit points:** 8 **Teacher/Coordinator:** Assoc Prof Helen Irving **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Assessment:** Combination of research essay (5,000 words) or take-home exam (75%), seminar paper (2,000 words) or class participation (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Completion of this unit satisfies the Jurisprudence/Part 2 requirement of the LLB.*

**Associated degrees:** LL B, UG Study Abroad Program.

What is a constitution? How does it acquire authority and legitimacy? Is there an ideal constitutional model? Can a successful constitution be 'engineered'? This unit of study explores the rise and spread of constitutions in the modern world and examines the theoretical bases upon which constitutions have been designed, interpreted, and evaluated. It considers the difference between the 'old' and the 'new' constitutionalism, with an emphasis on the issue of constitutional legitimacy, including post-regime change and in times of national emergency. It looks at a number of case-studies of constitutional design and adoption, from the United States to Iraq.



# University undergraduate units of study – K

## KCAS1101

### Academic Skills 1AP

#### Other

**Session:** Semester 1 **Classes:** 2 hrs per week approx. **Assessment:** Class Work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Only available to Cadigal Program students*

**Associated degrees:** Cadigal Program.

Academic Skills classes assist Cadigal entry students in the development of academic reading and writing skills.

## KCAS1102

### Academic Skills 1BP

#### Other

**Session:** Semester 2 **Classes:** 2 hrs per week approx. **Assessment:** Class Work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Only available to Cadigal Program students*

**Associated degrees:** Cadigal Program.

Academic Skills classes assist Cadigal entry students in the development of academic reading and writing skills.

## KCAS1201

### Academic Skills 1AF

#### Other

**Session:** Semester 1 **Classes:** 2 hrs per week approx. **Assessment:** Class Work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Only available to Cadigal Program students*

**Associated degrees:** Cadigal Program.

Academic Skills classes assist Cadigal entry students in the development of academic reading and writing skills.

## KCAS1202

### Academic Skills 1BF

#### Other

**Session:** Semester 2 **Classes:** 2 hrs per week approx. **Assessment:** Class Work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Only available to Cadigal Program students*

**Associated degrees:** Cadigal Program.

Academic Skills classes assist Cadigal entry students in the development of academic reading and writing skills.

## KCAS2101

### Academic Skills 2AP

#### Other

**Session:** Semester 1 **Classes:** 2 hrs per week approx. **Assessment:** Class Work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Only available to Cadigal Program students*

**Associated degrees:** Cadigal Program.

Academic Skills classes assist Cadigal entry students in the development of academic reading and writing skills.

## KCAS2102

### Academic Skills 2BP

#### Other

**Session:** Semester 2 **Classes:** 2 hrs per week approx. **Assessment:** Class Work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Only available to Cadigal Program students*

**Associated degrees:** Cadigal Program.

Academic Skills classes assist Cadigal entry students in the development of academic reading and writing skills.

## KCAS2201

### Academic Skills 2AF

#### Other

**Session:** Semester 1 **Classes:** 2 hrs per week approx. **Assessment:** Class Work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Only available to Cadigal Program students*

**Associated degrees:** Cadigal Program.

Academic Skills classes assist Cadigal entry students in the development of academic reading and writing skills.

## KCAS2202

### Academic Skills 2BF

#### Other

**Session:** Semester 2 **Classes:** 2 hrs per week approx. **Assessment:** Class Work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Only available to Cadigal Program students*

**Associated degrees:** Cadigal Program.

Academic Skills classes assist Cadigal entry students in the development of academic reading and writing skills.

## KCDE1101

### Academic Literacies 1

#### Other

**Credit points:** 6 **Session:** S1 Late Int **Classes:** Block Mode **Assessment:** Reading Tasks, Classroom activities, Summary, Essay **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available only to students enrolled in the Diploma of Education (Aboriginal)*

**Associated degrees:** Dip Ed (Aboriginal).

This unit of study provides first year diploma students with the literacy skills necessary to commence university study and succeed. It employs an innovative scaffolded approach that students can adapt for their own teaching practice. The science component of this unit of study introduces students to some of the theoretical, practical and pedagogic issues relevant to the delivery of science in school settings.

## KCDE1102

### Teaching & Learning: Presentation Skills

#### Other

**Credit points:** 6 **Session:** S1 Late Int **Classes:** Block Mode **Assessment:** Assessment will be based on participation and a range of oral and computer based presentation activities. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available only to students enrolled in the Diploma of Education (Aboriginal)*

**Associated degrees:** Dip Ed (Aboriginal).

Effective teachers must be successful communicators, requiring mastery of a range of oral and visual presentation skills to communicate well with students. This unit of study prepares teachers



to confidently give oral presentations to an audience, to use computer mediated communication for teaching and to apply a range of computer-based skills and formats to present complex information.

### KCDE1103

#### Indigenous Education and Society

##### Other

**Credit points:** 6 **Session:** S1 Late Int **Classes:** Block Mode **Assessment:** Assessment will be based on participation, workbook; completion of short reviews; reports; and a major essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available only to students enrolled in the Diploma of Education (Aboriginal)*

**Associated degrees:** Dip Ed (Aboriginal).

This unit of study will trace the broad sociological history of education in Australia since the cultural invasion of 1788 and critically examine historical events and circumstances as they relate to limited Aboriginal participation in 'westernised' forms of education today. Social and political perceptions of Aboriginal people as a race 'doomed to extinction' were well-documented during the colonial era, and continue to impact negatively on equality of educational opportunity into the 19th century.

### KCDE1104

#### Researching Indigenous Communities

##### Other

**Credit points:** 6 **Session:** S2 Late Int **Classes:** Block Mode **Prerequisites:** 12 Junior credit points including KCDE1101 **Assessment:** Assessment will be based on summary writing and an applied research project conducted in an Indigenous Australian community. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available only to students enrolled in the Diploma of Education (Aboriginal)*

**Associated degrees:** Dip Ed (Aboriginal).

This unit of study aims to provide students with a critical understanding of the differing notions of community with particular focus on Aboriginal communities as locations for research. It explores the history, diversity, characteristics and structures of Indigenous Australian communities and their historical and contemporary experiences of research. A range of library and computer-based research skills are also practised. Students will be provided with an opportunity to synthesise these understandings and apply them in a practical setting through a major community-based research project.

### KCDE1201

#### Academic Literacies 2

##### Other

**Credit points:** 6 **Session:** S2 Late Int **Classes:** Block Mode **Prerequisites:** 12 junior credit point, including KCDE1101 **Assessment:** Assessment will be based on a range of practical literacy activities drawing on readings and writing tasks required for concurrently offered units of study, and participation in math-based activities including classroom and take-home worksheets. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available only to students enrolled in the Diploma of Education (Aboriginal)*

**Associated degrees:** Dip Ed (Aboriginal).

Advanced literacy is an essential requirement for successful students and effective teachers. This unit of study further develops the skills and concepts taught in Academic Literacies 1 through a range of practical activities. The mathematics component of this unit of study introduces students to some basic arithmetic concepts and skills relevant to the performance of administrative duties in teaching contexts, and planning and delivery of mathematics curricula in school settings.

### KCDE1202

#### Teaching and Learning: Curriculum

##### Other

**Credit points:** 6 **Session:** S1 Late Int **Classes:** Block Mode **Assessment:** report, in-class activities, on-line activities **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available only to students enrolled in the Diploma of Education (Aboriginal)*

**Associated degrees:** Dip Ed (Aboriginal).

The aim of this unit of study is to introduce students to important concepts related to curriculum; the stakeholders who can influence curriculum and how curriculum is constructed. Teachers are constantly being introduced to new and innovative syllabi developed by education bodies with the intention that they will address the intended outcomes both at school and classroom level. An introduction to a wide variety of syllabi will allow students the opportunity to explore these documents and determine how they shape the development of school curriculum as a major role of the teacher. Aboriginal perspectives are also a major focus within this Unit of Study therefore syllabi will be examined for inclusion of and suggested implementation of Aboriginal perspectives across the curriculum.

### KCDE1203

#### Human Development and Learning

##### Other

**Credit points:** 6 **Session:** S2 Late Int **Classes:** Block Mode **Prerequisites:** KCDE1101 and KCDE1103 **Assessment:** Worksheets, interviews, minor essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available only to students enrolled in the Diploma of Education (Aboriginal)*

**Associated degrees:** Dip Ed (Aboriginal).

The systematic study of human development and learning requires careful observation, documentation and analysis of how people grow, change, adapt and acquire new knowledge over time. This unit of study examines the adolescent period of human growth and development. Both Indigenous and non-Indigenous adolescent physical, social, cognitive and emotional development patterns will be addressed, especially within the socio-cultural context of secondary schools. Particular emphasis will be placed upon relationships between the relatively rapid growth and development of the adolescent student and the opportunity for quality learning. This important transitional period from childhood to young adulthood raises significant issues and challenges related to maturation, identity formation, self esteem, propensity for risk taking and influences of both peers and family.

### KCDE1204

#### Human Society and its Environment 1

##### Other

**Credit points:** 6 **Session:** S2 Late Int **Classes:** Block Mode **Prerequisites:** KCDE1101 and KCDE1202 **Assessment:** Report, case study analysis and lesson plans. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available only to students enrolled in the Diploma of Education (Aboriginal)*

**Associated degrees:** Dip Ed (Aboriginal).

This unit of study aims to prepare History/HSIE students to teach skills and understanding necessary to implement current Board of Studies stage 4 and 5 History and HSIE syllabuses.

### KCDE2101

#### Visual Literacy: Cineliteracy

##### Other

**Credit points:** 6 **Session:** S2 Late Int **Classes:** Block Mode **Prerequisites:** KCDE1201 and KCDE2104 **Assessment:** Attendance and active participation, two short written critical responses, oral presentation, critique and review summary, and film review report and discussion **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available only to students enrolled in the Diploma of Education (Aboriginal)*

**Associated degrees:** Dip Ed (Aboriginal).

This unit of study aims to provide an introduction to the theory and practice of 'cineliteracy' as part of an integrated approach to enhancement of visual literacy skills at the tertiary level. The term 'cineliteracy' refers primarily to critical reading, understanding and response to the moving image; drama, film, documentary, television, video and various forms of computer based digital media. Learning opportunities offered by and through this unit will include direct

experience, critical awareness, and applied understanding of concepts and vocabulary employed to analyse 'language' of the moving image.

### KCDE2102

#### Teaching & Learning: Teaching History

##### Other

**Credit points:** 6 **Session:** S1 Late Int **Classes:** Block Mode **Prerequisites:** KCDE1201 and KCDE1202 **Assessment:** in-class activities, minor essay, major essay **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available only to students enrolled in the Diploma of Education (Aboriginal)*

**Associated degrees:** Dip Ed (Aboriginal).

This unit of study aims to prepare students for the teaching of History Stages 4 and 5. It will mainly focus on students understanding the relevant syllabi, for History, and ways of incorporating any syllabus changes during their teaching. The unit will also include the development of lesson plans and units of work, as well as incorporating key perspectives of the syllabi into their teaching. This unit of study will provide the students with practical suggestions to prepare them for their first in-school experience. A prime focus will be to stimulate ideas about teaching, provide practical strategies for use in the classroom, and to stimulate a passion for teaching History.

### KCDE2103

#### Education Theories

##### Other

**Credit points:** 6 **Session:** S1 Late Int **Classes:** Block Mode **Prerequisites:** KCDE1201 and KCDE1203 **Assessment:** participation, workbooks, review, reports; and major essay **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available only to students enrolled in the Diploma of Education (Aboriginal)*

**Associated degrees:** Dip Ed (Aboriginal).

The purpose of this unit of study is to give students the opportunity to recognise, analyse and assess various theories related to teaching and learning, and to consider the implications and relevance these theories have for classroom practice. Students will also trace the history of teaching and learning theory that has its foundations in Aboriginal pedagogies and culturally inclusive education initiatives such "both-ways" education programs. Students are encouraged to think about their role as Indigenous educators, in developing teaching and learning theories.

### KCDE2104

#### Introduction to Indigenous Australia

##### Other

**Credit points:** 6 **Session:** S1 Late Int **Classes:** Block Mode **Prerequisites:** KCDE1201 and KCDE1104 **Assessment:** presentation, a learning journal and a research essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available only to students enrolled in the Diploma of Education (Aboriginal)*

**Associated degrees:** Dip Ed (Aboriginal).

Indigenous cultures have existed in this country for at least sixty thousand years, yet have been interpreted and represented to the world from predominantly non-Indigenous points of view. This unit of study responds to the lack of inclusion of Indigenous histories and knowledges in mainstream pedagogic practice since invasion. It provides an introduction to Indigenous philosophies and theories by critically examining "contact history" and resistance within a decolonising framework.

### KCDE2201

#### Professional Practices 1

##### Other

**Credit points:** 6 **Session:** S1 Late Int **Classes:** Block Mode **Prerequisites:** KCDE1201 and KCDE1202 **Assessment:** Satisfactory report from the supervising school, reflective journal, portfolio, in-class activities **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available only to students enrolled in the Diploma of Education (Aboriginal)*

**Associated degrees:** Dip Ed (Aboriginal).

This unit of study will introduce students to relevant departmental policies and their implementation in schools. The unit also includes a range of professional experiences in schools and other learning contexts, eg., observing, acting as a teacher's aide, teaching in a classroom, and participation in wider school and community activities.

### KCDE2202

#### Aboriginal Studies in Schools

##### Other

**Credit points:** 6 **Session:** S2 Late Int **Classes:** Block Mode **Prerequisites:** KCDE1201 and KCDE2102 **Assessment:** Participation; workbook; resource analysis and evaluation; lesson plan; presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available only to students enrolled in the Diploma of Education (Aboriginal)*

**Associated degrees:** Dip Ed (Aboriginal).

This unit of study introduces students to Aboriginal Studies and how it is intended to follow a developmental sequence from K-12 in NSW schools. There will be opportunities for students to explore the growth, development and implementation of Aboriginal Studies as an integral part of the school curriculum in NSW.

### KCDE2203

#### Indigenous Health and Communities

##### Other

**Credit points:** 6 **Session:** S2 Late Int **Classes:** Block Mode **Prerequisites:** KCDE1201 and KCDE2104 **Assessment:** presentation, article reviews and major essay **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available only to students enrolled in the Diploma of Education (Aboriginal)*

**Associated degrees:** Dip Ed (Aboriginal).

The continuing poor health status of Indigenous people is well documented. However, attempts at improving Aboriginal health have often been met with inappropriate policy and practice. This unit of study aims to give an historical and contemporary understanding of a diverse range of issues impacting on Aboriginal Health. Students are given the opportunity to explore sociological and indigenous frameworks and knowledge's in order to identify a range of strategies which will work towards improving the health of Indigenous Australians. A focus of this unit will be in providing students with the opportunity to explore the ways in which they may work with Aboriginal communities to facilitate self-determination in Aboriginal health.

### KCDE2204

#### Human Society and its Environment 2

##### Other

**Credit points:** 6 **Session:** S2 Late Int **Classes:** Block Mode **Prerequisites:** KCDE1201 and KCDE1204 **Assessment:** 3000 word essay and lesson plan **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available only to students enrolled in the Diploma of Education (Aboriginal)*

**Associated degrees:** Dip Ed (Aboriginal).

This unit of study aims to prepare History/HSIE students to teach the skills and understandings necessary to implement current Board of Studies stage 4 and 5 History and HSIE syllabuses. In addition the unit focuses specifically on developing literacy and numeracy strategies for teaching across a range of age and ability groups and takes an applied approach to the use of ICT in HSIE and History classrooms.

### KCSE3101

#### Evaluation and Assessment in Schools

##### Other

**Credit points:** 6 **Session:** S1 Late Int **Classes:** Block Mode **Assessment:** assessment plan, assessment instrument, and presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available to students enrolled in Koori Centre block-mode courses only.*

**Associated degrees:** B Ed (Sec:Aboriginal).

The focus of this unit of study is to develop an understanding of the importance and purposes of assessment and evaluation and their interconnected relationship to learning. An historical overview of assessment and evaluation is essential to the understanding of current contexts for assessment and student learning in schools.

### KCSE3102

#### Aboriginal Studies: Stages 4, 5 & 6

##### Other

**Credit points:** 6 **Session:** S1 Late Int **Classes:** Block Mode **Assessment:** major project, in-class activities, teaching program **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available to students enrolled in Koori Centre block-mode courses only.*

**Associated degrees:** B Ed (Sec:Aboriginal).

This unit of study introduces Stages 4, 5 and 6 Aboriginal Studies, which are Board of Studies approved electives in the secondary curriculum. These courses are based on standard Board of Studies designs and, as such, provide students with an excellent first hand experience of the syllabus continuum in the secondary school. Outcomes-based teaching and learning is a feature and students learn to translate this approach into practical teaching, planning and implementation. Students also consider an holistic approach to Aboriginal Studies where the needs of the students, school and community directly influence the nature of program development and content. Consultation, protocols, ethical research practices and a local community focus feature as they do in both syllabuses. Cross curriculum content and skills with a focus on literacy and ICT (Information and Communication Technology) is part of the ongoing development of students becoming multi-skilled, adaptable and pro-active educators in the field of Aboriginal Studies.

### KCSE3103

#### Indigenous Land and Culture

##### Other

**Credit points:** 6 **Session:** S1 Late Int **Classes:** Block Mode **Prerequisites:** KCDE2104 **Assessment:** reports, in-class quizzes, reports, research essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Available to students enrolled in Koori Centre block-mode courses only.*

**Associated degrees:** B Ed (Sec:Aboriginal).

The focus of the unit is to develop an understanding of land from an Indigenous perspective. Students will explore how land is represented and symbolised from an Indigenous cultural perspective. Through a broad, cross-disciplinary approach to inquiry, a range of Indigenous contemporary issues and questions relating to land and land use will be examined. These will include: cultural maintenance and transmission, ownership of land, identity and land, land and environment, religious/spiritual connection to land and place, health and education issues relating to concepts of land, visual and performing arts images from the land, Indigenous land use and management, and contemporary concepts of land and culture in selected urban, rural and isolated Australian communities.

### KCSE3104

#### Australia WW1 to Whitlam

##### Other

**Credit points:** 6 **Session:** S2 Late Int **Classes:** Block Mode **Assessment:** a footnoting exercise, a tutorial paper, an essay plan, and a research essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available to students enrolled in Koori Centre block-mode courses only.*

**Associated degrees:** B Ed (Sec:Aboriginal).

The twentieth century saw major transformations in Australian society. From the aftermath of the Great War, this unit of study follows the traumas of Depression and World War II, into periods of less dramatic but still profound change: the post-war boom through the Menzies years; threats posed by the Cold War; the proliferation of nuclear weapons; the impact of immigration; the 1960s youth protest movement and the Vietnam War, and social changes brought about by the Whitlam government. Through a survey of those years and

their aftermath, the unit seeks to frame and enhance historical understanding of issues and challenges which confront Australians today.

### KCSE3201

#### Professional Practices 2

##### Other

**Credit points:** 6 **Session:** S1 Late Int **Classes:** Block Mode **Prerequisites:** KCDE2201 **Assessment:** satisfactory report from school, reflective journal, portfolio, in-class activities **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available to students enrolled in Koori Centre block-mode courses only.*

**Associated degrees:** B Ed (Sec:Aboriginal).

Simply mastering teaching skills and strategies cannot fully develop professional practices and craft knowledge in the classroom; they are part of embodied knowledge, learned through an inductive process including observation, participation, reflective discussion and mentoring. There are ranges of practices used by teachers who are recognised as outstanding in their field. This unit seeks to identify such practices and assist students to adapt them for their own teaching style. The unit of study aims, not only to promote learning of essential skills, knowledges and values, but to facilitate the students' initiation into professional practices through a 20-day in-school experience program comprised of a 1-day orientation, and 19 days supervised teaching and observation.

### KCSE3202

#### Teaching Aboriginal Languages

##### Other

**Credit points:** 6 **Session:** S2 Late Int **Classes:** Block Mode **Assessment:** participation in workshops, essay, lesson plans and associated material, online reflective responses. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available to students enrolled in Koori Centre block-mode courses only.*

**Associated degrees:** B Ed (Sec:Aboriginal).

This unit of study will orient students within the second/foreign language acquisition literature, and present policy, implementation models, teaching methods/approaches and pedagogies, resource and materials design, as well as programming and planning methods with a particular focus on teaching Aboriginal languages.

### KCSE3203

#### Reading Indigenous Writing

##### Other

**Credit points:** 6 **Session:** S2 Late Int **Classes:** Block Mode **Assessment:** Critical Response, Essay **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available to students enrolled in Koori Centre block-mode courses only.*

**Associated degrees:** B Ed (Sec:Aboriginal).

This unit of study surveys contemporary literary production by Indigenous Australians and its social and historical contexts. It is designed to foster a critical appreciation of a variety of literary forms such as poetry, the novel and scripts for stage and screen performance, and to explore their relationships to traditional and modern approaches to story-telling and knowledge sharing. It will reflect on expressions of identity, social history and political autonomy, and the evolution of Indigenous literary production in the broader milieu of colonisation, resistance and self-determination. The unit will encourage generic skills in textual, theoretical and historical analysis, and will stimulate the development of students' personal creative expression.

### KCSE3204

#### Human Society and its Environment 3

##### Other

**Credit points:** 6 **Session:** S2 Late Int **Classes:** Block Mode **Prerequisites:** KCDE2204 **Assessment:** presentation, unit of work, teaching and learning

resource folder. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available to students enrolled in Koori Centre block-mode courses only.*

**Associated degrees:** B Ed (Sec:Aboriginal).

This unit of study aims to prepare History /HSIE students to teach the skills and understandings necessary to implement current Board of Studies stage 6 History and HSIE syllabuses. The unit focuses predominantly on the teaching and learning of Modern and Ancient History with an introduction to teaching Legal Studies, Geography, Society and Culture and Business Studies. Emphasis is placed on assessing teaching and learning at the senior level.

#### KCSE4101

##### Special Education: An Introduction

###### Other

**Credit points:** 6 **Session:** S2 Late Int **Classes:** Block Mode **Assessment:** fieldwork report (1500 words); tutorial presentation and participation (1500 words); academic paper (1500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available to students enrolled in Koori Centre block-mode courses only.*

**Associated degrees:** B Ed (Sec:Aboriginal).

This subject addresses issues relating to the education of students with special education needs. Issues addressed include the impact of current legislation, evidence based approaches to curriculum, teaching and learning practices for students with special education needs. A specific focus is given to managing challenging behaviours of students in a range of settings.

#### KCSE4102

##### Issues in Indigenous Rights

###### Other

**Credit points:** 6 **Session:** S1 Late Int **Classes:** Block Mode **Prerequisites:** KCDE2104 **Assessment:** participation, case studies and an essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available to students enrolled in Koori Centre block-mode courses only.*

**Associated degrees:** B Ed (Sec:Aboriginal).

This unit of study examines the social, political and legal history of the Indigenous Australian struggle for fundamental human rights, engaging particularly with self-determination and Indigenous rights to land, law, economy and culture. It will promote students' consideration of these issues in both national and international contexts by investigating case studies of key people, events and institutions, specifically those which have galvanised debate and stimulated change. The unit will build generic skills in social and historical research and theoretical analysis, encouraging students to develop an informed and independent assessment of contemporary Indigenous Australian actions toward self determination in a range of social, legal and cultural spheres.

#### KCSE4103

##### 20th Century Europe: Age of Catastrophe?

###### Other

**Credit points:** 6 **Session:** S1 Late Int **Classes:** Block Mode **Assessment:** tests, reflective paper, a tutorial paper, and a research essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available to students enrolled in Koori Centre block-mode courses only.*

**Associated degrees:** B Ed (Sec:Aboriginal).

This unit of study aims to provide an introduction to the central events of early twentieth-century European history, a period which historian Eric Hobsbawm described as 'an age of catastrophe'. This unit, which examines the tumultuous events that occurred during the early twentieth-century, takes World War One as its starting point, investigating the impact this war had on the changing politics, nations, culture and ideology of Europe. The unit then explores these themes in detail by focusing on individual national case studies, and, in particular, the leaders considered instrumental in enacting these

changes. Students will also consider the lived history, that is, the social aspects of the changing politics in England, Russia and Germany. Finally, students will examine European history from a broader perspective by tracing the history of four examples of international conflict.

#### KCSE4104

##### Human Society and its Environment 4

###### Other

**Credit points:** 6 **Session:** S1 Late Int **Classes:** Block Mode **Prerequisites:** KCSE3204 **Assessment:** mini-personal interest project, work education resource kit. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available to students enrolled in Koori Centre block-mode courses only.*

**Associated degrees:** B Ed (Sec:Aboriginal).

This unit of study aims to prepare students to teach the skills and understandings necessary to implement current Board of Studies stage 6 Society and Culture, and stage 5 Work Education syllabuses.

#### KCSE4201

##### Professional Practices 3

###### Other

**Credit points:** 6 **Session:** S1 Late Int **Classes:** Block Mode **Prerequisites:** KCSE3201 **Assessment:** satisfactory report from school practicum, reflective journal, portfolio, in-class activities **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available to students enrolled in Koori Centre block-mode courses only.*

**Associated degrees:** B Ed (Sec:Aboriginal).

This unit of study will be integrated with in-school teaching experience, and explore different methods of expanding knowledge of professional practice through building professional alliances and mentor relationships. Using a selected case study methodology, the unit will provide opportunities for student teachers to gain insights into ways in which construction of individual teaching style can be analysed and understood in terms of contemporary educational theories and practices. The unit, overall, will extend reflective professional experience in schools and other teaching and learning contexts.

#### KCSE4202

##### Knowledge, Self and Education

###### Other

**Credit points:** 6 **Session:** S2 Late Int **Classes:** Block Mode **Assessment:** seminar paper, major essay **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available to students enrolled in Koori Centre block-mode courses only.*

**Associated degrees:** B Ed (Sec:Aboriginal).

This unit of study takes a critical perspective on two concepts central to our understanding of education: the 'self', or individual and 'knowledge'. Assuming that in some significant ways both are socially constructed, the course presents a variety of theoretical and research resources for understanding recently developed ways of looking at educational phenomena as social and historical discursive practice.

#### KCSE4203

##### Colonising and Decolonising the Pacific

###### Other

**Credit points:** 6 **Session:** S2 Late Int **Classes:** Block Mode **Assessment:** Presentation, summary, research essay, 2 quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available to students enrolled in Koori Centre block-mode courses only.*

**Associated degrees:** B Ed (Sec:Aboriginal).

Even before Europeans officially 'discovered' the New World they had imagined what it might be. Notwithstanding decolonisation, this world and its people have continued to be represented according to changing Western view points and priorities. Arguably categories like "race", "blood" and "culture" continue to influence Western historical accounts, and colonised people are often still classified according to historical

models determined by Western intellectual and political priorities. In this unit of study we examine this process of representation and Indigenous challenges to it, focusing on the islands of the Pacific. Three key themes will be investigated: (1) history and the representation of the Pacific; (2) Colonising the Indigenous peoples of the Pacific; and (3) the contemporary Pacific - decolonisation and environmental issues.

#### KCSE4204

##### Human Society and its Environment 5 Other

**Credit points:** 6 **Session:** S2 Late Int **Classes:** Block Mode **Prerequisites:** KCSE4104 **Assessment:** preparation of a legal studies teaching resource folder. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode  
*Note: Department permission required for enrolment. Note: Available to students enrolled in Koori Centre block-mode courses only.*

**Associated degrees:** B Ed (Sec:Aboriginal).

This unit of study aims to prepare students to teach the knowledge, skills and understandings necessary to implement the current Board of Studies Legal Studies stage 6 syllabus. The unit of study focuses on current HSC Legal Studies assessment procedures and available resources to teach this subject to diverse student groups.

#### KEYB1013

##### Pianoforte 1 (Minor) Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### KEYB1014

##### Pianoforte 2 (Minor) Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** KEYB1013 Pianoforte 1 (Minor) **Assessment:** Jury exam: 10 mins (instrument specific). Teacher Grade 50%, Panel Grade 50%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### KEYB1621

##### Pianoforte 1 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 14 one hour individual lessons/semester and performance workshop/week **Corequisites:** ENSE1000 Accompaniment 1 - BMus only **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### KEYB1622

##### Pianoforte 2 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour individual lessons/semester and performance workshop/week **Prerequisites:** KEYB1621 Pianoforte 1 **Corequisites:** ENSE1001 Accompaniment 2 - BMus only **Assessment:** Jury exam assessed by panel of 10-15 mins. Teacher grade 50%. Panel grade 50%.

Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### KEYB2007

##### Pianoforte 3 (Major) Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk and up to 15 hrs masterclasses and special projects per semester. **Prerequisites:** KEYB1009 Pianoforte 2 (Major) or audition for advanced standing. **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students wishing to transfer from Pianoforte 2 (Minor) to Pianoforte 3 (Major) must have been examined for and passed Pianoforte 1 and 2 (Major) and have studied the Major syllabus of the year and reached the required standard.*

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### KEYB2008

##### Pianoforte 4 (Major) Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk and up to 15 hrs masterclasses and special projects per semester. **Prerequisites:** KEYB2007 Pianoforte 3 (Major) **Assessment:** Qualifying Exam: 25 mins. Teacher Grade 20%, Panel Grade 80%. Dip Mus Only: Recital at Junior level assessed by panel, 25mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### KEYB2011

##### Pianoforte 3 (Minor) Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** KEYB1014 Pianoforte 2 (Minor) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### KEYB2012

##### Pianoforte 4 (Minor) Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** KEYB2011 Pianoforte 3 (Minor) **Assessment:** Jury exam: 15 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**KEYB2623****Pianoforte 3****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshop/wk **Prerequisites:** KEYB1622 Pianoforte 2 **Corequisites:** ENSE2000 Accompaniment 3 - BMus only; KEYB2723 Pianoforte 3 (Advanced) - Dip Mus only **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**KEYB2624****Pianoforte 4****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshop/wk **Prerequisites:** KEYB2623 Pianoforte 3 **Corequisites:** ENSE2001 Accompaniment 4 - BMus only, KEYB2724 Pianoforte 4 (Adv) - Dip Mus only **Assessment:** Jury/qualifying exam assessed by panel 15 - 25 minutes BMus 25 mins; BMusStud and BMusEd 15 mins OR public recital at junior level assessed by panel 40 minutes (Dip Mus only). Teacher grade 20%, Panel grade 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**KEYB2723****Pianoforte 3 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** KEYB1622 Pianoforte 2 **Corequisites:** KEYB2623 Pianoforte 3 **Assessment:** Practice journal, performance journal including proposal for junior level/jury exam; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

**KEYB2724****Pianoforte 4 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** KEYB2723 Pianoforte 3 (Adv) **Corequisites:** KEYB2624 Pianoforte 4 **Assessment:** Practice journal, performance journal; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

**KEYB3002****Pedagogy Pianoforte 1****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Daniel Herscovitch **Session:** Semester 1 **Classes:** 1hr lec/wk **Assessment:** Two essays (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Available for students of Pianoforte and Harpsichord Principal Study and Jazz Performance students only.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The study of piano teaching from elementary to intermediate levels, with particular attention to technical development, including rhythm, touch and reading skills, as well as practice methods and repertoire. This unit is available for students enrolled in Keyboard Principal Study including Jazz students. For further information contact D. Herscovitch (Keyboard).

**KEYB3003****Pedagogy Pianoforte 2****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Daniel Herscovitch **Session:** Semester 2 **Classes:** 1hr lec/wk **Prerequisites:** KEYB3002 Pedagogy Pianoforte 1 **Assessment:** Two essays (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available for students of Pianoforte and Harpsichord Principal Study and Jazz Performance students only.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Extension of concepts and skills introduced in Pedagogy Pianoforte 1 with particular attention to technical development at advanced levels, as well as added emphasis on aspects relating to style and interpretation. This unit is available for students enrolled in Keyboard Principal Study including Jazz students. For further information contact D. Herscovitch (Keyboard).

**KEYB3004****Pianoforte 5 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk and up to 15 hrs masterclasses and special projects per semester. **Prerequisites:** KEYB2008 Pianoforte 4 (Major), ENSE2001 Accompaniment 4 **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**KEYB3005****Pianoforte 6 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk and up to 15 hrs masterclasses and special projects per semester. **Prerequisites:** KEYB3004 Pianoforte 5 (Major) **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**KEYB3008****Pianoforte 5 (Minor)****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** KEYB2012 Pianoforte 4 (Minor) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day



**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### KEYB3009

##### Pianoforte 6 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** KEYB3008 Pianoforte 5 (Minor) **Assessment:** Jury exam: 20 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### KEYB3625

##### Pianoforte 5

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshop/wk **Prerequisites:** KEYB2624 Pianoforte 4, ENSE2001 Accompaniment 4 - BMus only **Corequisites:** KEYB3725 Pianoforte 5 (Advanced) - BMus only **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### KEYB3626

##### Pianoforte 6

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshops/wk **Prerequisites:** KEYB3625 Pianoforte 5 **Corequisites:** KEYB3726 Pianoforte 6 (Advanced) - BMus only **Assessment:** Public recital at junior level assessed by panel 40 minutes OR jury exam assessed by panel 20 minutes (BMusStud and BMusEd only). Teacher grade 20%. Panel grade 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### KEYB3725

##### Pianoforte 5 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** KEYB2624 Pianoforte 4 **Corequisites:** KEYB3625 Pianoforte 5 **Assessment:** Practice journal, performance journal including proposal for junior level/jury exam; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to B Mus students*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

#### KEYB3726

##### Pianoforte 6 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** KEYB3725 Pianoforte 5 (Adv) **Corequisites:** KEYB3626 Pianoforte 6 **Assessment:** Practice journal, performance journal; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus students.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

#### KEYB4002

##### Pianoforte 7 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk and up to 15 hrs masterclasses and special projects per semester. **Prerequisites:** KEYB3005 Pianoforte 6 (Major) **Corequisites:** KEYB3002 Piano Pedagogy 1 **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### KEYB4004

##### Pianoforte 8 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and performance workshop/wk and up to 15 hrs masterclasses and special projects per semester. **Prerequisites:** KEYB4002 Pianoforte 7 (Major) **Corequisites:** KEYB3003 Pedagogy Pianoforte 2 **Assessment:** Recital at Senior level assessed by Panel: 50mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### KEYB4008

##### Pianoforte 7 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** KEYB3009 Pianoforte 6 (Minor) at Distinction level **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### KEYB4009

##### Pianoforte 8 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** KEYB4008 Pianoforte 7 (Minor) at Credit level **Assessment:** Jury exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).



Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### KEYB4627

##### Pianoforte 7

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 14 one hour individual lessons/semester and performance workshop/week **Prerequisites:** KEYB3626 Pianoforte 6 **Corequisites:** KEYB4727 Pianoforte 7 (Advanced) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### KEYB4628

##### Pianoforte 8

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** 14/1-hour individual lessons/semester and performance workshop/week **Prerequisites:** KEYB4627 Pianoforte 7 **Corequisites:** KEYB4728 Pianoforte 8 (Advanced) **Assessment:** Public recital at senior level assess by panel 50 minutes. Teacher grade 20%. Panel grade 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### KEYB4727

##### Pianoforte 7 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** KEYB3726 Pianoforte 6 (Adv) **Corequisites:** KEYB4627 Pianoforte 7 **Assessment:** Practice journal, performance journal including proposal for senior level recital; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to B Mus students.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

#### KEYB4728

##### Pianoforte 8 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gerard Willems **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-specific masterclasses and/or concerts. **Prerequisites:** KEYB4727 Pianoforte 7 (Adv) **Corequisites:** KEYB4628 Pianoforte 8 **Assessment:** Practice journal, performance journal; presentations, performances and/or other participation in unit classes as required; 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to B Mus students*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase awareness and confidence in performance. Through maintaining practice and performance journals of their own work and that of their peers, students develop extra depth and insight into performance practice.

#### KOCR2600

##### Indigenous Australia: An Introduction

#### Other

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** (2 lec x 1hr & 1 x 1hr tut)wk **Prerequisites:** 18 Junior credit points **Prohibitions:** KOCR2100 **Assessment:** one 2000 word essay (40%); one tutorial presentation (10%); one 1000 word tutorial paper (20%); WebCT activities equivalent to 1500 words (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B S W, UG Study Abroad Program.

This unit of study explores the historical, social and political contexts of the survival and growth of Aboriginal and Torres Strait Islander cultures and philosophies. The unit is structured around the themes of representation and identities; the colonisation of land and people; and resistance and agency. It will provide students with an introduction to Indigenous philosophies and theories by examining 'contact history' and resistance within a critical framework.

#### KOCR2602

##### Issues in Indigenous Rights

#### Other

**Credit points:** 6 **Teacher/Coordinator:** Mr Pete Minter **Session:** Semester 2 **Classes:** (1 x 1hr lec and 1 x 2hr tut)wk **Prerequisites:** KOCR2100 or KOCR2600 **Prohibitions:** KOCR2102 **Assessment:** Seminar Presentation, Critical Review, Media Report Research Project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, UG Study Abroad Program.

In the second half of the 20th Century Aboriginal and Torres Strait Islander peoples began to culturally and politically recover from the effects of colonisation and assimilation. Having had fundamental human rights severely limited by state and federal legislation, and having experienced years of disempowerment, dislocation and social disruption, Indigenous peoples have sought to reclaim independent social and political power. This unit of study explores national and international developments in this history, addressing issues of political and social representation, and examining contemporary analyses of Indigenous rights to self-determination in legal, political and community spheres.

#### KOCR2604

##### Colours of Identity: Indigenous Bodies

#### Other

**Credit points:** 6 **Teacher/Coordinator:** Ms Shino Konishi **Session:** Semester 1 **Classes:** (1 x 2hr lec and 1 x 2hr tut) wk **Corequisites:** KOCR2100 or KOCR2600 **Assessment:** one presentation; one take-home exam (30%); one 2000 word research essay (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, UG Study Abroad Program.

This unit of study explores various ways in which the body contributes to the formation of Indigenous Australian identity, both from within and without. Using contemporary theoretical approaches we will explore the ways in which Indigenous Australian bodies were constructed by colonial discourses; how they were 'othered', fragmented, gendered, and subordinated. We will also explore how Indigenous agency has manifested through the body, for example through withholding labour, political activism, and creative re-presentations of the body.

#### KOCR2605

##### Speaking Gamilaraay 1

#### Other

**Credit points:** 6 **Teacher/Coordinator:** Br John Giacon **Session:** Semester 1 **Classes:** (1 x 3hr seminar)wk **Assessment:** Homework sheets (6) (2000 words), Oral performance (6) (2000 words), Essay (culture topics) (1000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, UG Study Abroad Program.

This unit of study will provide students with a basic competence in speaking, understanding, reading and writing Gamilaraay sufficient to recognise and construct simple utterances in the language, and to

understand its relationships with other languages. It will require them to: identify, define and analyse problems and identify or create processes to solve them; use information in critical thinking and problem solving contexts to construct knowledge; respond effectively to unfamiliar problems in unfamiliar contexts; have an appreciation of and respect for diversity, and; use oral, written, and visual communication to further their own learning and as tools for interacting and relating to others.

### KOCR2606

#### Torres Strait Histories and Experiences

##### Other

**Credit points:** 6 **Teacher/Coordinator:** Ms Leah Lui-Chivizhe **Session:** Semester 2 **Classes:** 1 x 1hr lec and 1 x 2hr tut) wk **Prerequisites:** KOCR2100 or KOCR2600 **Assessment:** tutorial presentation(20%), critical review(30%) and essay (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, UG Study Abroad Program.

Torres Strait Islanders are often talked about as Australia's other indigenous minority and many Australians know little about the region and its people. This Unit of Study will introduce students to Torres Strait societies through the themes of governance, migration and resource management. Students will learn about the diversity within Torres Strait communities and how Torres Strait Islander experiences of colonisation and responses to colonisation were and are as complex as those of Aboriginal people.

### KOCR2607

#### Indigenous Creative Expression

##### Other

**Credit points:** 6 **Teacher/Coordinator:** Ms Michelle Blanchard **Session:** Semester 2, Summer Main **Classes:** 1 x 3hr seminar **Assessment:** essay (40%), seminar presentation (25%) and creative exhibit (35%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, UG Study Abroad Program, UG Summer/Winter School.

The concept of 'traditional' versus 'contemporary' is very much at the forefront of defining meanings for art works created by Indigenous artists. Typically works created by Indigenous artists are delegated to either one of these categories. This unit will examine the theoretical frameworks which position Indigenous artists, through the study of Indigenous artistic expression across a range of genres. It will provide students with the opportunity to engage with Indigenous artists on a formal and informal basis and to discuss complex issues pertaining to Indigenous works, in performance, literature(writing), music, dance and film.

### KRNS1621

#### Korean 1

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 1 **Classes:** 4 hours per week **Prohibitions:** KRNS1101 **Assessment:** Weekly assignments (200 words each), 2 oral tests (1000 words), 1 hour final written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is a comprehensive beginners course which will lay the foundation for acquiring oral, aural, reading and writing skills in Korean. Students will acquire oral communication skills based on the given grammar points and topics. Various communicative approaches will be employed for the class activities. Students are required to give group presentations during the semester. On the basis of grammar introduced, the reading and writing of short texts will be done in each week.

### KRNS1622

#### Korean 2

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** KRNS1621 or KRNS1101 **Prohibitions:** KRNS1102 **Assessment:** Weekly assignments (200 words

each), 2 oral tests (1000 words), 1 hour final written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is a comprehensive beginners course which will lay the foundation for acquiring oral, aural, reading and writing skills in Korean. Students will acquire oral communication skills based on the given grammar points and topics. Various communicative approaches will be employed for class activities. Students are required to give group presentations during semester. On the basis of grammar introduced, the reading and writing of short texts will be done in each week.

### KRNS1631

#### Korean 9

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** Heritage speakers of Korean who have less than 2 years of formal education in Korean **Prohibitions:** KRNS1301 **Assessment:** 5 assignments (200 words each), major essay (1500 words), 2 hour final written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is specially designed for background speakers of Korean, largely for the improvement of their reading and writing skills. The reading texts used in the class will be mostly authentic materials from various sources, such as literary and non-literary essays, newspapers and magazine articles. For a given main reading text each chapter provides a complete list of words and expressions, comprehension exercises, discussion and composition sections. The discussion section gives students opportunities to discuss some contemporary social issues in Korean, while the composition section gives learners an opportunity to write something related to the topics discussed.

### KRNS1632

#### Korean 10

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** KRNS1301 or KRNS1631 **Prohibitions:** KRNS1302 **Assessment:** 5 assignments (equivalent to 200 words each), major essay (1500 words), 2 hour final written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is specially designed for background speakers of Korean, largely for the improvement of their reading and writing skills. The reading texts used in the class will be mostly authentic materials from various sources, such as literary and non-literary essays, newspapers and magazine articles. For a given main reading text each chapter provides a complete list of words and expressions, comprehension exercises, discussion and composition sections. The discussion section gives students opportunities to discuss some contemporary social issues in Korean, while the composition section gives learners an opportunity to write something related to the topics discussed.

### KRNS1801

#### Korean Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Lang Stud.

### KRNS2621

#### Korean 3

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Ki-Sung Kwak **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** KRNS1102 or KRNS1622 **Prohibitions:** KRNS2001 **Assessment:** 6 assignments (200 words each), two 15 minute oral tests (1000 words), 2 hour final written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

As an intermediate language unit, students are expected to gain extensive language skills in a diverse range of communicative settings. Interactive exercises and activities will provide students with opportunities to practice and improve their skills in speaking, reading and writing.

### KRNS2622

#### Korean 4

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Pankaj Mohan **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** KRNS2001 or KRNS2621 **Prohibitions:** KRNS2002 **Assessment:** 6 assignments (200 words each), two 15 minute oral tests (1000 words), 2 hour final written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

As an intermediate language subject, students are expected to gain extensive language skills in a diverse range of communicative settings. Interactive exercises and activities will provide students with opportunities to practice and improve their skills in speaking, reading and writing.

### KRNS2671

#### Translation and Interpretation

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** KRNS1302 or KRNS1632 or native speakers of Korean **Prohibitions:** KRNS2400 **Assessment:** Continuous assessment, consisting of 6 tasks (equivalent to 400 words each), 2 hour final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims at providing students with such useful skills in Korean language as translation and interpretation from Korean into English and vice-versa. The unit is divided into three modules: Korean-English translation, English-Korean translation and interpretation. Students will learn how to translate and interpret texts chosen from both print and audio-visual media from a wide range of fields, including society, culture, politics, economics, science and technology.

### KRNS2673

#### Korean Phonology

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** 12 credit points in KRNS or LNGS, or native speakers of Korean **Prohibitions:** KRNS2317, KRNS2318 **Assessment:** 10 weekly assignments (equivalent to 200 words each), 2 hour final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit introduces the sound system of the Korean language - Korean phonology. Some linguistics background is recommended, although it is not necessary. In addition to the two-hour lecture, there will be a one-hour seminar in which further detailed issues are discussed in depth. From the fifth week, there will be one or two weekly problem solving assignments.

### KRNS2675

#### Contemporary Korean Society and Culture

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** 12 junior credit points in Arts **Prohibitions:** KRNS2500 **Assessment:** 15 minute presentation (equivalent to 1000 words), 2000 word essay on an approved topic, 2 hour final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit will provide students with a good understanding of contemporary Korean society and culture by examining not only current issues in Korea (such as legal, political, economic, educational and family matters), but also the Korean people's living style affected by these various issues. The latter will include daily life, gender issues, business culture, entertainment, youth and popular culture. Students also look at the application and/or implication of a certain Korean culture or practice to domestic and international communities; e.g. to South Korea which pursues rapid globalisation or to a multi-cultural society like Australia.

### KRNS2681

#### Korean In-Country Study A

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 1, Semester 2 **Prerequisites:** KRNS1101 or KRNS1621 or KRNS1301 or KRNS1631 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### KRNS2682

#### Korean In-Country Study B

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 1, Semester 2 **Prerequisites:** KRNS1101 or KRNS1621 or KRNS1301 or KRNS1631 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### KRNS2811

#### Korean Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### KRNS2812

#### Korean Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### KRNS2813

#### Korean Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### KRNS2814

#### Korean Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### KRNS2815

#### Korean Studies Exchange

## Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

### KRNS3621

#### Korean 5

## Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Pankaj Mohan **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** KRNS2002 or KRNS2622 **Prohibitions:** KRNS3001 **Assessment:** Continuous class assessment, consisting of 8 assignments (200 words each), 2 oral tests (1000 words), 2 hour final written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit aims to further develop oral and written communication skills beyond the intermediate level. Students will acquire fluency in oral communication, with particular emphasis on sophistication and formality of speech. Reading and writing skills are developed through the use of structured texts from the prescribed textbook and selections of authentic reading materials from a range of sources.

### KRNS3622

#### Korean 6

## Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Pankaj Mohan **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** KRNS3001 or KRNS3621 **Prohibitions:** KRNS3002 **Assessment:** Continuous class assessment consisting of 8 assignments (200 words each), 2 oral tests (1000 words), 2 hour final written exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit follows on from KRNS3621 and is designed to extend the student's command of the Korean language beyond the level completed in the previous semester. Through readings of authentic works from Korean newspapers, magazines and academic texts, and structured discussions based on these materials, this unit will introduce students to a wide range of sentence patterns, enrich their vocabulary and enable them to read advanced texts independently.

### KRNS4011

#### Korean Honours A

## Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week **Prerequisites:** Credits in all Senior KRNS units including KRNS3901 and KRNS3902 **Assessment:** Coursework assessments (50%) and 15000-20000 word thesis (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Honours IV students are required to complete all four components KRNS4011, KRNS4012, KRNS4013, and KRNS4014. These components comprise coursework from a pool of postgraduate coursework offerings, plus a 15000-20000 word thesis on an approved topic. Students complete coursework in the following areas:

1. Korean language and linguistics: Centered around reading material on Korean language and linguistics. The major topics include Korean phonology, morphology, syntax, sociolinguistics, and language teaching and learning.
2. Korean history and thought: Focused on conceptual and methodological issues in Korean history, religions, thought, or value systems, examining both Korean and Western literatures in the field(s).
3. Korean media and communication: Cultural, social and political aspects of mass media and communication in Korea. The major topics include media/communication industry, production, content and media/communication policy in Korea.

### KRNS4012

#### Korean Honours B

## Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Credits in all senior KRNS units including KRNS3901 and KRNS3902 **Corequisites:** KRNS4011 **Assessment:** Will be based on seminar coursework. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to KRNS4011

### KRNS4013

#### Korean Honours C

## Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Credits in all senior KRNS units including KRNS3901 and KRNS3902 **Corequisites:** KRNS4012 **Assessment:** Will be based on seminar coursework. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to KRNS4011

### KRNS4014

#### Korean Honours D

## Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Credits in all senior KRNS units including KRNS3901 and KRNS3902 **Corequisites:** KRNS4013 **Assessment:** One 15000-20000 word thesis. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to KRNS4011

# University undergraduate units of study – L

## LATN1600

### Introductory Latin 1

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Lindsay Watson **Session:** Semester 1 **Classes:** four 1 hour lectures per week **Prohibitions:** LATN1001, LATN2611, LATN2620 **Assessment:** written assignments, class quizzes and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit is designed for beginners, though it is available to anyone who has not completed HSC Latin. No previous knowledge of a foreign language is assumed and all grammatical concepts encountered will be explained. The unit aims to introduce the basics of Latin through the study of elementary grammar and the reading of easy, mostly made-up, sentences and passages. Many of the latter are based on 'real' Latin texts, such as Ovid's *Metamorphoses*, providing an introduction to Roman literature.

## LATN1601

### Introductory Latin 2

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paul Roche **Session:** Semester 2 **Classes:** four 1 hour lectures per week **Prerequisites:** LATN1600 or LATN1001 or LATN2611 **Prohibitions:** LATN1002, LATN2612, LATN2621 **Assessment:** weekly assignments, class quizzes and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit builds on the basic knowledge already acquired in LATN1600 and introduces further accidence along with most subordinate clause types and common constructions. Grammatical knowledge is reinforced by translation of sentences from and into Latin, while reading skills are further developed through the reading of simple prose and verse texts. The unit provides both a basis for further Latin study and essential background for students specialising in subjects such as Ancient History, Archaeology, Medieval Studies and Philosophy.

## LATN1801

### Latin Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S.

## LATN1802

### Latin Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S.

## LATN2600

### Intermediate Latin 1

#### Arts

**Credit points:** 6 **Session:** Semester 1 **Classes:** two 1 hour lectures, one 1 hour seminar and one 1 hour tutorial (optional for those who have passed HSC Latin) per week **Prerequisites:** HSC Latin or LATN1601 or LATN2612 or LATN2621 or LATN1002 **Prohibitions:** LATN2603, LATN1101 **Assessment:** written assignments, one 1500 word essay and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit concentrates on consolidating the basic knowledge acquired in the first year of Latin or at school through language study and the close reading of one or two texts (to be advised on the department of Classics & Ancient History web site prior to commencement of lectures). The texts will also be studied from the viewpoint of their literary qualities and generic and socio-historical background.

## LATN2601

### Intermediate Latin 2

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms Frances Muecke **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour seminar per week **Prerequisites:** LATN2600 or LATN1101 **Prohibitions:** LATN1102 **Assessment:** written assignments, one 1500 word essay and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit concentrates on consolidating the basic knowledge of the Latin language already acquired through language study and the close reading of one or two important texts (to be advised on the department of Classics & Ancient History web site prior to commencement of lectures). Acquaintance with Roman literature will also be expanded through studying these texts with a view to evaluating their literary aims and qualities and examining their generic and socio-historical background.

## LATN2620

### Reading Latin 1

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Lindsay Watson **Session:** Semester 1 **Classes:** four 1 hour lectures per week **Prohibitions:** LATN1600, LATN1001, LATN2611 **Assessment:** written assignments, class quizzes and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit allows students specialising in areas such as Ancient History to acquire a knowledge of basic Latin at senior level. The unit, though aimed at beginners, is available to anyone who has not completed HSC Latin. The basics of Latin will be introduced through the study of elementary grammar and the reading of easy, mostly made-up, sentences and passages. Many of the latter are based on 'real' Latin texts, such as Ovid's *Metamorphoses*, providing an introduction to Roman literature.

## LATN2621

### Reading Latin 2

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paul Roche **Session:** Semester 2 **Classes:** four 1 hour lectures per week **Prerequisites:** LATN2620 or LATN2611 **Prohibitions:** LATN1601, LATN1002, LATN2612 **Assessment:** written assignments, class quizzes and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit builds on the basic knowledge already acquired in LATN2620 and introduces further accidence along with most subordinate clause types and common constructions. Grammatical knowledge is reinforced by translation of sentences from and into Latin, while reading skills are further developed through the reading of simple prose and verse texts. The unit provides both a basis for further Latin study and essential background for students specialising in subjects such as Ancient History, Archaeology, Medieval Studies and Philosophy.



## LATN2804

### Latin Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

## LATN2805

### Latin Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

## LATN2806

### Latin Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

## LATN2810

### Latin Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

## LATN2811

### Latin Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

## LATN3600

### Advanced Latin Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Paul Roche **Session:** Semester 1 **Classes:** three 1 hour seminars per week **Prerequisites:** LATN2601 or LATN2604 or LATN1102 **Prohibitions:** LATN3607 **Assessment:** written assignments, language exercises and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit concentrates on providing students with the advanced language skills necessary for the understanding and appreciation of more difficult Latin authors. These skills will be fostered both by formal language classes and by the close reading of Latin texts (to be advised on the department of Classics & Ancient History web site prior to commencement of lectures). Through this reading, students will also gain familiarity with the style and language of some important Latin authors.

## LATN3602

### Latin Epic 2 Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms Frances Muecke **Session:** Semester 2 **Classes:** three 1 hour lectures per week **Corequisites:** LATN2601 **Assessment:** written assignments, one 1500 word essay and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit is aimed at students who have taken introductory Latin and are in their 2nd or 3rd year of Latin. It is not recommended for students with HSC Latin who are in their 3rd year. The aim is to provide familiarity with the style and the literary and socio-historical background of Latin epic through the reading of one selected book (to be advised on the department of Classics & Ancient History web site).

## LATN3603

### Latin Imperial Poetry Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Lindsay Watson **Session:** Semester 1 **Classes:** three 1 hour seminars per week **Corequisites:** LATN3600 or LATN3607 **Assessment:** written assignments and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit, which concentrates on the poetry of the Empire, aims to expand students' knowledge of this period of Roman literature through a study of one or more important texts (to be advised on the department of Classics & Ancient History web site prior to commencement of lectures). Language skills necessary for the understanding of the texts will be assumed and emphasis placed on interpretation, literary appreciation and the generic and/or historical background of the texts.

## LATN3605

### Latin Republican Prose Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Jeffrey Tatum **Session:** Semester 2 **Classes:** three 1 hour seminars per week **Prerequisites:** LATN3600 or LATN3607 **Assessment:** written assignments and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Lang Stud, UG Study Abroad Program.

This unit, which concentrates on the prose literature of the Republic, aims to expand students' knowledge of this period of Roman literature through a study of one or more important texts (to be advised on the department of Classics & Ancient History web site prior to commencement of lectures). Language skills necessary for the understanding of the texts will be assumed and emphasis placed on interpretation, literary appreciation and the generic and/or historical background of the texts.

## LATN4011

### Latin Honours A Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1, Semester 2 **Classes:** 3 seminars per week **Prerequisites:** Credit average in 42 senior credit points of Latin including two of LATN3603, 3604, 3605, 3606 plus 6 additional senior credit points of Greek, Latin or Ancient History. **Assessment:** All of the major components of the Honours year will be assessed. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), Dip Lang Studs (Hons).

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Student Information Guide from the SOPHI Office.

## LATN4012

### Latin Honours B Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1, Semester 2 **Corequisites:** LATN4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Lang Studs (Hons).

Refer to LATN4011

**LATN4013****Latin Honours C****Arts**

**Credit points:** 12 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1, Semester 2 **Corequisites:** LATN4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Lang Studs (Hons).

Refer to LATN4011

**LATN4014****Latin Honours D****Arts**

**Credit points:** 12 **Teacher/Coordinator:** Dr Alastair Blanshard **Session:** Semester 1, Semester 2 **Corequisites:** LATN4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Lang Studs (Hons).

Refer to LATN4011

**LAWS1001****Law, Lawyers and Justice****Law**

**Credit points:** 8 **Teacher/Coordinator:** Dr Rita Shackel **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS1000 **Prohibitions:** LAWS1007, LAWS3002, LAWS3004, LAWS2013 **Assessment:** class participation, 1x2500wd assignment, 1x assignment, and 1x open book exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to Graduate Law candidates proceeding under the old LLB resolutions. Students attend classes for LAWS2013 The Legal Profession.*

**Associated degrees:** LL B, UG Study Abroad Program.

Law, Lawyers and Justice has a distinct intellectual focus. It is the only unit in the curriculum that concentrates on the regulation of the legal profession and legal practice. Part 1 of Law, Lawyers and Justice examines the nature and structure of the legal profession, historical struggles to regulate the profession, and the current regulatory regime in New South Wales. Part 2 explores specific forms of legal practice, highlights the major cultural and economic forces that challenge attempts to regulate the profession and canvasses alternative ways of organising legal practice and providing legal services. Part 3 investigates the adversary system and considers its advantages and limitations. More specifically, the material in Part 3 addresses how the adversary system moulds lawyers' behaviour within and outside the judicial process and analyses current regulatory measures aimed at curbing the undesirable aspects of an adversarial culture. Part 4 evaluates the way clients are treated by lawyers and suggests strategies to change their conduct in the interests of both equality and effective communication. Furthermore, it examines lawyers' duties to their clients and the ways in which the rules and principles of confidentiality, legal professional privilege and conflicts of interest shape the advice and representation lawyers provide for their clients.

**LAWS1002****Contracts****Law**

**Credit points:** 8 **Teacher/Coordinator:** Dr Gregory Tolhurst **Session:** Semester 1 **Classes:** 2x2hr lectures or seminars/wk **Prerequisites:** LAWS1000 or LAWS1006 **Prohibitions:** LAWS1015, LAWS2008 **Assessment:** class participation (10%), 1x assignment (30%) and 1x2hr exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to graduate law candidates proceeding under the old LLB resolutions.*

**Associated degrees:** B A, LL B, B Com, LL B, B Ec (Soc Sc), LL B, B Ec, LL B, B Ec Soc Sc, LL B, B Int S, LL B, B Sc, LL B, LL B, UG Study Abroad Program, UG Summer/Winter School.

Contract law provides the legal background for transactions involving the supply of goods and services and is, arguably the most significant means by which the ownership of property is transferred from one person to another. It vitally affects all members of the community and a thorough knowledge of contract law is essential to all practising lawyers. In the context of the law curriculum as a whole, Contracts

provides background which is assumed knowledge in many other units. The aims of the unit are composite in nature. The central aim is to provide an understanding of the basic principles of the common law, equity and statutes applicable to contracts. A second aim is to provide students an opportunity to critically evaluate and make normative judgments about the operation of the law. As Contracts is basically a case law unit, the final aim of the unit of study is to provide experience in problem solving through application of the principles derived from decided cases. Successful completion of this unit of study is a prerequisite to the elective unit Advanced Contracts.

**LAWS1003****Criminal Law****Law**

**Credit points:** 8 **Teacher/Coordinator:** Prof Mark Findlay **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS1000 or LAWS1006 **Prohibitions:** LAWS1016, LAWS2009, LAWS3001 **Assessment:** class participation, 1x 2000wd problem, 1x2000wd essay and 1x 2hr exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to candidates proceeding under the old LLB resolutions.*

**Associated degrees:** B A, LL B, B Com, LL B, B Ec (Soc Sc), LL B, B Ec, LL B, B Ec Soc Sc, LL B, B Int S, LL B, B Sc, LL B, LL B, UG Study Abroad Program.

This unit of study is designed to introduce the general principles of criminal law and process as they operate in NSW, and to critically analyse these in their contemporary social context. In order to achieve these goals, the unit will consider a range of socio-legal literature, and will focus on particular substantive legal topics. Although the topic structure is necessarily selective, it is intended that students will gain a broad understanding of crime and justice issues, as well as of the applications of the criminal law. Students will encounter problem-based learning and will be encouraged to challenge a range of conventional wisdom concerning the operation of criminal justice. This unit of study is designed to assist students in developing the following understandings: (1) A critical appreciation of certain key concepts which recur throughout the substantive criminal law. (2) A knowledge of the legal rules in certain specified areas of criminal law and their application. (3) A preliminary understanding of the working criminal justice system as a process and the interaction of that process with the substantive criminal law. (4) A preliminary knowledge of how the criminal law operates in its broader societal context. (5) Through following the process of proof in a criminal prosecution and its defense, to understand the determination of criminal liability. The understandings referred to in the foregoing paragraphs will have a critical focus and will draw on procedural, substantive, theoretical and empirical sources. The contradictions presented by the application of legal principle to complex social problems will be investigated.

**LAWS1004****Federal Constitutional Law****Law**

**Credit points:** 8 **Teacher/Coordinator:** Dr Peter Gerangelos **Session:** Semester 1 **Classes:** 2x2hr seminars/wk for 10 weeks **Prerequisites:** LAWS1000 **Prohibitions:** LAWS2011, LAWS3000, LAWS3003 **Assessment:** 2 x mid-semester assignments or exam and 1x final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to Graduate Law candidates proceeding under the old LLB resolutions. Students attend classes for LAWS2011.*

**Associated degrees:** LL B, UG Study Abroad Program.

This unit of study aims to achieve an understanding of the principles of Australian constitutional law. The unit commences with an overview of the Commonwealth Constitution within the Australian legal and political framework. Substantive topics include, but are not confined to: the defence power, the marriage power, the external affairs power, federalism (including state constitutions and the relationship between Commonwealth and state laws); economic and fiscal power and relations (including the corporations power, the trade and commerce power, freedom of interstate trade, and excise); the judicial power of the Commonwealth; express and implied constitutional rights and freedoms; and principles of constitutional interpretation. Other topics



may be covered, especially if a constitutional power becomes controversial or topical. The unit aims to develop a capacity to evaluate the principles of constitutional law critically, from the perspective of both doctrine and policy.

## LAWS1006

### Foundations of Law Law

**Credit points:** 6 **Teacher/Coordinator:** Professor David Kinley (Combined), Mr Fady Aoun (Graduate) **Session:** Semester 1 **Classes:** Combined: 1x1hr lec and 1x2hr seminar/wk; Graduate: The unit is taught to Graduate Law 1 students on an intensive basis over three weeks. The aim of this is to give students a good grounding in the basic legal skills needed for law studies before underta **Prohibitions:** LAWS1000 **Assessment:** Combined: class participation (20%), case analysis (30%), essay (50%); Graduate: class participation (20%), 1x1000wd essay (10%), 1x1800wd case assignment (20%) and 1x3000wd essay (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Media & Comm), LL B, B A, LL B, B Com, LL B, B E, LL B, B Ec, LL B, B Ec Soc Sc, LL B, B I G S, LL B, B Int S, LL B, B Sc, LL B, LL B, UG Study Abroad Program.

This unit of study provides a foundation core for the study of law. We aim to provide a practical overview of the Australian legal system, an introduction to the skills of legal reasoning and analysis which are necessary to complete your law degree, and an opportunity for critical engagement in debate about the role of law in our lives. The course will introduce students to issues such as: (i) the development of judge made and statute law; (ii) the relationship between courts and parliament; (iii) the role and function of courts, tribunals and other forms of dispute resolution; (iv) understanding and interrogating principles of judicial reasoning and statutory interpretation; (v) the relationship between law, government and politics; (vi) what are rights in Australian law, where do they come from and where are they going; (vii) the development and relevance of international law.

## LAWS1012

### Torts Law

**Credit points:** 6 **Teacher/Coordinator:** Mr Ross Anderson (Graduate), Assoc Prof Barbara McDonald (Combined) **Session:** Semester 1, Semester 2 **Classes:** Combined: 1x2hr lectures and 1x1hr seminars/wk; Graduate: 3x4hr seminar/wk for 3 weeks and 1x3hr seminar in week 13. **Prerequisites:** LAWS1006 **Prohibitions:** LAWS1005, LAWS1010, LAWS3001 **Assessment:** Graduate: 1x1hr class test (30%) and 1x2hr exam (70%); Combined: 2500w assignment (30%), tutorial participation (10%) and 1x2hr exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Available to candidates proceeding under the new LLB resolutions.*

**Associated degrees:** B A (Media & Comm), LL B, B A, LL B, B Com, LL B, B E, LL B, B Ec, LL B, B Ec Soc Sc, LL B, B I G S, LL B, B Int S, LL B, B Sc, LL B, LL B, UG Study Abroad Program.

This is a general introductory unit of study concerned with liability for civil wrongs. The unit seeks to examine and evaluate, through a critical and analytical study of primary and secondary materials, the function and scope of modern tort law and the rationale and utility of its governing principles. Particular topics on which the unit will focus include:

- (a) The relationship between torts and other branches of the common law including contract and criminal law;
- (b) The role of fault as the principal basis of liability in the modern law;
- (c) Historical development of trespass and the action on the case and the contemporary relevance of this development;
- (d) Trespass to the person (battery, assault, and false imprisonment);
- (e) Trespass to land and private nuisance;
- (f) The action on the case for intentional injury;
- (g) Defences to trespass, including consent, intellectual disability, childhood, necessity and contributory negligence;
- (h) Development and scope of the modern tort of negligence, including detailed consideration of duty of care and breach of duty and causation and remoteness of damage with particular reference to personal and psychiatric injury;

- (i) Compensation for personal injuries, including special and alternative compensation schemes;
- (j) Injuries to relational interests, including compensation to relatives of victims of fatal accidents;
- (k) Defences to negligence.

## LAWS1013

### Legal Research I Law

**Teacher/Coordinator:** Mr Graeme Coss **Session:** Semester 1, Semester 2 **Classes:** Combined Law: 6x1hr seminars **Corequisites:** LAWS1006 **Prohibitions:** LAWS1008 **Assessment:** Satisfactory attendance, WebCT-based quizzes and 1x in-class test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to candidates proceeding under the new LLB resolutions. Semester 1 classes are for Combined Law candidates in the faculties of Arts, Engineering and Science. Semester 2 classes are for Combined Law candidates in the Faculty of Economics & Business.*

**Associated degrees:** B A (Media & Comm), LL B, B A, LL B, B Com, LL B, B E, LL B, B Ec, LL B, B Ec Soc Sc, LL B, B I G S, LL B, B Int S, LL B, B Sc, LL B, LL B, UG Study Abroad Program.

This is a compulsory unit taught on a pass/fail basis. The aim of the unit is to introduce you to finding and citing primary and secondary legal materials and introduce you to legal research techniques. These are skills which are essential for a law student and which you will be required to apply in other units.

## LAWS1014

### Civil and Criminal Procedure Law

**Credit points:** 6 **Teacher/Coordinator:** Professor Mark Findlay **Session:** Semester 1, Semester 1b **Classes:** 2x2hr seminars/wk (combined), 3x4hr seminars a week for 3 weeks followed by 1x3hr seminar in week 13 (graduate) **Prerequisites:** LAWS1006 **Prohibitions:** LAWS1001, LAWS1007, LAWS3002, LAWS3004 **Assessment:** 1x tutorial assessment (25%) and 1x 2hr final exam (75%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to candidates proceeding under the new LLB resolutions.*

**Associated degrees:** B A (Media & Comm), LL B, B A, LL B, B Com, LL B, B E, LL B, B Ec, LL B, B Ec Soc Sc, LL B, B I G S, LL B, B Int S, LL B, B Sc, LL B, LL B, UG Study Abroad Program.

This unit of study aims to introduce students to civil and criminal procedure. It is concerned with the procedures relating to civil dispute resolution and criminal justice which are separate to the substantive hearing. The unit will consider the features of an adversarial system of justice and its impact on process. Recent reforms to the adversarial system of litigation will be explored. The civil dispute resolution part of the unit will cover alternative dispute resolution, the procedures for commencing a civil action, case management, gathering evidence and the rules of privilege. Criminal process will be explored by reference to crime and society, police powers, bail and sentencing. International dispute resolution will also be introduced. The course focuses on practical examples with consideration of ethics, and contextual and theoretical perspectives.

## LAWS1015

### Contracts Law

**Credit points:** 6 **Teacher/Coordinator:** Dr Greg Tolhurst **Session:** Semester 1, Semester 1b, Summer Late **Classes:** Combined: 2x2hr lectures or seminars/wk; Graduate: 3x4hr seminar/wk for 3 weeks and 1x3hr seminar in week 13. **Prerequisites:** LAWS1006 **Prohibitions:** LAWS1002, LAWS2008 **Assessment:** class participation (10%) and 1x2hr exam (90%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to candidates proceeding under the new LLB resolutions.*

**Associated degrees:** B A (Media & Comm), LL B, B A, LL B, B Com, LL B, B E, LL B, B Ec, LL B, B Ec Soc Sc, LL B, B I G S, LL B, B Int S, LL B, B Sc, LL B, LL B, UG Study Abroad Program, UG Summer/Winter School.

Contract law provides the legal background for transactions involving the supply of goods and services and is, arguably the most significant means by which the ownership of property is transferred from one person to another. It vitally affects all members of the community and a thorough knowledge of contract law is essential to all practising



lawyers. In the context of the law curriculum as a whole, Contracts provides background which is assumed knowledge in many other units. The aims of the course are composite in nature. The course examines the rules that regulate the creation, terms, performance, breach and discharge of a contract. Remedies and factors that may vitiate a contract such as misrepresentation are dealt with in Torts and Contracts II. The central aim of the course is to provide an understanding of the basic principles of contract law and how those principles are applied in practice to solve problems. Students will develop the skills of rules based reasoning and case law analysis. A second aim is to provide students an opportunity to critically evaluate and make normative judgments about the operation of the law. Successful completion of this unit of study is a prerequisite to the elective unit Advanced Contracts.

### **LAWS1016** **Criminal Law** **Law**

**Credit points:** 6 **Teacher/Coordinator:** Prof Mark Findlay **Session:** Semester 2 **Classes:** Combined: 2x2hr seminar/wk; Graduate: 3x4hr seminar/wk for 3 weeks and 1x3hr seminar/wk in week 13. **Prerequisites:** LAWS1006, LAWS1014 **Prohibitions:** LAWS1003, LAWS3001, LAWS2009 **Assessment:** class participation (10%), 1x 2000wd problem (40%) and 1x 2hr exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Available to candidates proceeding under the new LLB resolutions.*

**Associated degrees:** B A (Media & Comm), LL B, B A, LL B, B Com, LL B, B E, LL B, B Ec, LL B, B Ec Soc Sc, LL B, B I G S, LL B, B Int S, LL B, B Sc, LL B, LL B, UG Study Abroad Program.

This unit of study is designed to introduce the general principles of criminal law in context as they operate in NSW, and to critically analyse these in their contemporary social and political relevance. In order to achieve these goals, the unit will consider a range of theoretical literature as well as critical commentary, and will focus on particular substantive legal topics in problem-centred contexts. Although the topic structure is necessarily selective, it is intended that students will gain a broad understanding of crime and justice issues, as well as of the applications of the criminal law. Students will encounter problem-based learning and will be encouraged to challenge a range of conventional wisdom concerning the operation of criminal justice. This unit of study is designed to assist students in developing the following understandings: (1) A critical appreciation of certain key concepts which recur throughout the substantive criminal law. (2) A knowledge of the legal rules in certain specified areas of criminal law and their application. (3) A preliminary knowledge of how the criminal law operates in its broader societal context. (4) Through following the process of proof in a criminal prosecution and its defense, to understand the determination of criminal liability. The understandings referred to in the foregoing paragraphs will have a critical focus and will draw on procedural, substantive, theoretical and empirical sources. The contradictions presented by the application of legal principle to complex social problems will be investigated.

### **LAWS1017** **Torts and Contracts II** **Law**

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Barbara McDonald (Combined), Mr Ross Anderson (Graduate) **Session:** Semester 2, Semester 2b **Classes:** 1x2hr lecture and 1x2hr tutorial/wk (combined), 3x4hr seminars/wk for 3 weeks, and 1x3hr seminar in week 13 (graduate) **Prerequisites:** (LAWS1010 or LAWS1012) and LAWS1015 **Assessment:** 1x1hr class test (30%) and 1x2hr exam (70%) (Graduate); 1x 3000 word assignment (30%), tutorial participation (10%) 1x 2 hour exam (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Available to candidates proceeding under the new LLB resolutions.*

**Associated degrees:** B A (Media & Comm), LL B, B A, LL B, B Com, LL B, B E, LL B, B Ec, LL B, B Ec Soc Sc, LL B, B I G S, LL B, B Int S, LL B, B Sc, LL B, LL B, UG Study Abroad Program.

The laws of tort and contract frequently overlap in practice and are increasingly regulated by statute. This unit aims to develop the integrated study of the law of obligations and remedies. It builds on the introduction to tort and contract law which students have acquired in Torts and Contracts. It will include the study of more advanced

topics in both areas and the impact of related statutory liability and remedies. Topics:

- (a) Concurrent, proportionate and vicarious liability;
- (b) The role of statutory duties and powers in tort law;
- (b) Liability for misrepresentation in tort, contract and under statute (eg statutory duties, s 52 Trade Practices Act 1974 (Cth));
- (c) Liability for economic loss in tort, including some comparative study;
- (d) Detailed consideration of causation and remoteness of damage in tort and contract;
- (e) Damages for breach of contract;
- (f) Unfair dealing in contracts and vitiating factors: mistake, misrepresentation, duress, undue influence, unconscionable conduct. This topic includes a study of equitable principles and statutory rights.

### **LAWS1018** **International Law** **Law**

**Credit points:** 6 **Teacher/Coordinator:** Dr Timothy Stephens (Combined), Mr Ross Anderson (Graduate) **Session:** Semester 1, Semester 2, Winter Main **Classes:** 1x2hr lecture and 1x1hr tutorial/wk (combined), 3x4hr seminars/wk for 3 weeks and 1x3hr seminar in week 13 (graduate) **Prerequisites:** LAWS1006 **Prohibitions:** LAWS2005 **Assessment:** Combined: 1x2000w assignment (25%), tutorial participation (pass/fail), 1x2hr final exam (75%). Graduate: 1x1hr class test (30%), 1x2hr exam(70%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Available to candidates proceeding under the new LLB resolutions.*

**Associated degrees:** B A (Media & Comm), LL B, B A, LL B, B Com, LL B, B E, LL B, B Ec, LL B, B Ec Soc Sc, LL B, B I G S, LL B, B Int S, LL B, B Sc, LL B, LL B, UG Study Abroad Program, UG Summer/Winter School.

The unit of study is a general introduction to private international law and public international law and the relationship between these disciplines. The following private international law topics receive detailed treatment: (1) Nature, function and scope of private international law; (2) Jurisdiction, including discretionary non-exercise of jurisdiction; (3) Substance and procedure; (4) Proof of foreign law; (5) Exclusionary doctrines; and (6) Choice of law in tort. The following public international law topics receive detailed treatment: (1) Nature, function and scope of public international law, including the relationship between public international law and municipal law; (2) Sources of public international law; (3) State jurisdiction, including civil and criminal jurisdiction and jurisdictional immunities; and (4) State responsibility, including diplomatic protection, nationality of claims and exhaustion of local remedies. Available to candidates proceeding under the new LLB resolutions.

### **LAWS1019** **Legal Research II** **Law**

**Teacher/Coordinator:** Mr Graeme Coss **Session:** Semester 1, Semester 2 **Classes:** Combined Law: 3x2hr seminars **Prerequisites:** LAWS1013 **Prohibitions:** LAWS1008, LAWS1022 **Assessment:** Satisfactory attendance and 1x assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to candidates proceeding under the new LLB resolutions. Semester 1 classes are for Combined Law candidates in the faculties of Arts, Engineering and Science. Semester 2 classes are for Combined Law candidates in the Faculty of Economics & Business.*

**Associated degrees:** B A (Media & Comm), LL B, B A, LL B, B Com, LL B, B E, LL B, B Ec, LL B, B Ec Soc Sc, LL B, B I G S, LL B, B Int S, LL B, B Sc, LL B, LL B, UG Study Abroad Program.

This is a compulsory unit taught on a pass/fail basis. It is a continuation of Legal Research I and covers advanced searching techniques and the use of Lexis.com, Westlaw and other complex commercial databases. The purpose of this unit is to further develop the skills you will need as a law student and to introduce you to the legal research skills you will need after graduation.

### **LAWS1021** **Public Law**

**Law**

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Anne Twomey (Combined), Ms Nicola Franklin (Graduate) **Session:** S2 Late IntB, Semester 2, Summer Late **Classes:** 2x2hr seminars/wk for 10 weeks (combined), 3x4hr seminars/wk for 3 weeks and 1x3hr seminar in week 13 (graduate) **Prerequisites:** LAWS1006 **Assessment:** 1x3000wd assignment (40%) and 1x2hr exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to candidates proceeding under the new LLB resolutions.*

**Associated degrees:** B A (Media & Comm), LL B, B A, LL B, B Com, LL B, B E, LL B, B Ec, LL B, B Ec Soc Sc, LL B, B I G S, LL B, B Int S, LL B, B Sc, LL B, LL B, UG Study Abroad Program, UG Summer/Winter School.

Public Law will examine the fundamental tenets of constitutionalism and constitutional principle essential to an understanding of the system of representative and responsible government as manifested in the Australian constitutional context, at both Federal and State level. As an introduction to the units Administrative Law and Federal Constitutional Law, it will cover both introductory topics and substantive topics directly relevant to those units. Topics covered include: Constitutionalism and the Rule of Law; Representative and Responsible Government; Amendment of the Commonwealth and State Constitutions; Separation of Powers; Judicial Power and implications derived from Chapter III of the Constitution; the Executive and its Powers; Accountability of the Executive to Parliament, Courts and Tribunals; and Administrative Rule-making.

**LAWS1022****Legal Research I & II****Law**

**Teacher/Coordinator:** Mr Graeme Coss **Session:** Semester 1 **Classes:** 6x2hr seminars **Corequisites:** LAWS1006 **Prohibitions:** LAWS1008, LAWS1013, LAWS1019 **Assessment:** Satisfactory attendance, WebCT-based quizzes, 1x assignment and 1x in-class test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to graduate law candidates proceeding under the new LLB resolutions*

**Associated degrees:** LL B.

This is a compulsory unit taught on a pass/fail basis. The aim of the first part of the unit is to introduce you to finding and citing primary and secondary legal materials and introduce you to legal research techniques. These are skills which are essential for a law student and which you will be required to apply in other units. The second part of the unit covers advanced searching techniques and the use of Lexis.com, Westlaw and other complex commercial databases. The purpose of this part of the unit is to further develop the skills you will need as a law student and to introduce you to the legal research skills you will need after graduation.

**LAWS2002****Administrative Law****Law**

**Credit points:** 8 **Teacher/Coordinator:** Professor Mary Crock **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Assessment:** 1x3500wd essay (35%) and 1x2hr exam (65%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to candidates proceeding under the old LLB resolutions.*

**Associated degrees:** LL B, UG Study Abroad Program, UG Summer/Winter School.

This unit of study involves a study of the relationships of individuals and organisations with government decision makers. It examines the legal principles which apply to those relationships with the aim of developing an understanding of the extent to which decision-makers within the executive branch of the government are accountable to parliament, to the courts and to other administrators, such as ombudsmen and merits review tribunals. The unit provides an overview of relevant legal principles and encourages an understanding of how values of openness, fairness and participation may be promoted. By adopting a critical perspective, the unit requires an appreciation of how political theory and the insights of other disciplines may provide a framework for analysing the choices made by administrators, and by judges in judicial review.

**LAWS2003****Corporate Law****Law**

**Credit points:** 8 **Teacher/Coordinator:** Professor Jennifer Hill **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Prohibitions:** LAWS2014 **Assessment:** 1x mid-semester quiz and 1x exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to candidates proceeding under the old LLB resolutions.*

**Associated degrees:** LL B, UG Study Abroad Program, UG Summer/Winter School.

This unit of study considers the legal structure of the corporation as an organisational form for both public and proprietary companies. It is designed as an introduction to both the law of corporations and the Australian context in which that operates. The focus of this unit is on the nature of the corporation and its governance structure. The unit covers issues such as the implications of the company as a separate legal entity, power to bind the company, duties of directors, and shareholders rights and remedies. Students will be required to evaluate critically existing corporate law and reform proposals, with particular reference to legislative policy and underpinning theory.

**LAWS2004****Equity****Law**

**Credit points:** 8 **Teacher/Coordinator:** Prof Patrick Parkinson (convenor) **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Prohibitions:** LAWS2015 **Assessment:** 1x optional essay (30%) and 1x exam (70% or 100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to candidates proceeding under the old LLB resolutions.*

**Associated degrees:** LL B, UG Study Abroad Program.

An appreciation of equitable principles and remedies is fundamental to understanding the Australian legal system. This unit of study explains the origins of the equitable jurisdiction and examines its role today. A substantial part of the unit is dedicated to study of the law of trusts, including remedial constructive trusts. Other topics include dealings with property in equity, fiduciary obligations, the doctrines of undue influence and unconscionable dealing, estoppel and equitable remedies.

**LAWS2005****International Law****Law**

**Credit points:** 8 **Teacher/Coordinator:** Dr Ben Saul **Session:** Semester 1, Winter Main **Classes:** 2x2hr seminars/wk **Prohibitions:** LAWS1018 **Assessment:** 1x3,000w assignment (30%), 1x2hr final exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to candidates proceeding under the old LLB resolutions.*

**Associated degrees:** LL B, UG Study Abroad Program, UG Summer/Winter School.

The unit of study is an introduction to the general problems, sources and techniques of private international law and public international law. The private international law part of the unit will focus on the function and scope of this branch of municipal law, with particular reference to jurisdiction, substance and procedure, proof of foreign law, exclusionary doctrines, and choice of law in tort. The public international law part of the unit will focus on the function and scope of this regime of legal norms in the modern world, with particular reference to sources of law, the relationship between public international law and Australian law, state jurisdiction, jurisdictional immunities and state responsibility, and law on the use of force.

**LAWS2006****Litigation****Law**

**Credit points:** 8 **Teacher/Coordinator:** Dr Rita Shackel **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Prohibitions:** LAWS2016 **Assessment:** 1x interim exam and 1x 2 hr final exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to candidates proceeding under the old LLB resolutions. Student are required to attend classes for LAWS2016 and addition classes will be scheduled.*

**Associated degrees:** LL B, UG Study Abroad Program, UG Summer/Winter School.

This unit of study seeks to provide a knowledge of the basic elements of civil and criminal procedure and evidence. The focus is primarily on the law of civil procedure and the law of evidence. Pre-trial procedures are studied including techniques for initiating litigation, limiting the issues for judicial decision, obtaining evidence to support a case and avoiding trial. Attention then turns to the trial itself. Rules governing forms of evidence, and the basic inclusionary and exclusionary rules of evidence, together with rules governing the burden and standard of proof are considered.

## LAWS2007

### Real Property

#### Law

**Credit points:** 8 **Teacher/Coordinator:** Dr Fiona Burns **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Prohibitions:** LAWS2017 **Assessment:** 1x2500-3000wd optional mid-semester assignment (30%) and 1x2hr (70%); OR 3hr exam (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to candidates proceeding under the old LLB resolutions.*

**Associated degrees:** LL B, UG Study Abroad Program.

The law of real property has always played an important role in the economic, social and political life of England and of those countries, such as Australia, which adopted its legal system. This unit of study aims to provide a study of the modern-day law of real property. After a brief historical introduction, we consider the nature of the various interests in land, the law of co-ownership (joint tenancies and tenancies in common), priorities between competing interests in land, and the legislation governing the registration of instruments affecting land. We also consider the *Mabo* and *Wik* cases and concepts of native title. Because of its significance in Australian land law, we spend some time considering the Torrens system. We also consider in some detail the law relating to easements and covenants, and provide an introduction to the law of mortgages and leases.

## LAWS2008

### Contracts

#### Law

**Credit points:** 6 **Teacher/Coordinator:** Dr Gregory Tolhurst **Session:** Semester 1 **Classes:** 2x2hr lectures or seminars/wk **Prerequisites:** LAWS1006 **Prohibitions:** LAWS1002, LAWS1015 **Assessment:** class participation (10%), 1x assignment (30%) and 1x2hr exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to Combined Law candidates proceeding under the old LLB resolutions.*

**Associated degrees:** B A, LL B, B Com, LL B, B Ec (Soc Sc), LL B, B Ec, LL B, B Ec Soc Sc, LL B, B Int S, LL B, B Sc, LL B, UG Study Abroad Program.

Contract law provides the legal background for transactions involving the supply of goods and services and is, arguably the most significant means by which the ownership of property is transferred from one person to another. It vitally affects all members of the community and a thorough knowledge of contract law is essential to all practising lawyers. In the context of the law curriculum as a whole, Contracts provides background which is assumed knowledge in many other units. The aims of the unit are composite in nature. The central aim is to provide an understanding of the basic principles of the common law, equity and statutes applicable to contracts. A second aim is to provide students an opportunity to critically evaluate and make normative judgments about the operation of the law. As Contracts is basically a case law unit, the final aim of the unit of study is to provide experience in problem solving through application of the principles derived from decided cases. Successful completion of this unit of study is a prerequisite to the elective unit Advanced Contracts.

## LAWS2009

### Criminal Law

## Law

**Credit points:** 6 **Teacher/Coordinator:** Prof Mark Findlay **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS1006 **Prohibitions:** LAWS1003, LAWS1016 **Assessment:** class participation, 1x 2000wd problem, 1x2000wd essay, and 1x 2hr exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to Combined Law candidates proceeding under the old LLB resolutions.*

**Associated degrees:** B A, LL B, B Com, LL B, B Ec (Soc Sc), LL B, B Ec, LL B, B Ec Soc Sc, LL B, B Int S, LL B, B Sc, LL B, UG Study Abroad Program.

This unit of study is designed to introduce the general principles of criminal law and process as they operate in NSW, and to critically analyse these in their contemporary social context. In order to achieve these goals, the unit will consider a range of socio-legal literature, and will focus on particular substantive legal topics. Although the topic structure is necessarily selective, it is intended that students will gain a broad understanding of crime and justice issues, as well as of the applications of the criminal law. Students will encounter problem-based learning and will be encouraged to challenge a range of conventional wisdom concerning the operation of criminal justice. This unit of study is designed to assist students in developing the following understandings: (1) A critical appreciation of certain key concepts which recur throughout the substantive criminal law. (2) A knowledge of the legal rules in certain specified areas of criminal law and their application. (3) A preliminary understanding of the working criminal justice system as a process and the interaction of that process with the substantive criminal law. (4) A preliminary knowledge of how the criminal law operates in its broader societal context. (5) Through following the process of proof in a criminal prosecution and its defense, to understand the determination of criminal liability. The understandings referred to in the foregoing paragraphs will have a critical focus and will draw on procedural, substantive, theoretical and empirical sources. The contradictions presented by the application of legal principle to complex social problems will be investigated.

## LAWS2010

### Administrative Law

#### Law

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Rosemary Lyster **Session:** Semester 1 **Classes:** 1x2hr seminar and 1x1hr seminar/wk **Prerequisites:** LAWS1021 **Corequisites:** LAWS2011 **Prohibitions:** LAWS2002 **Assessment:** 1x 2,500wd essay (35%) and 1x 2hr exam (65%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to candidates proceeding under the new LLB resolutions.*

**Associated degrees:** LL B, UG Study Abroad Program.

Administrative Law is a study of the relationships of individuals and organisations with government. This unit examines the legal principles which apply to those relationships with the aim of developing an understanding of the extent to which government decision-makers are accountable to the public, to parliament, to the courts and to other administrators such as ombudsmen and merits review tribunals. The unit focuses principally on the grounds of judicial review. The unit encourages the development of a critical perspective on these grounds of review, and their theoretical underpinnings. This critical perspective requires an appreciation of how political theory and the insights of other disciplines may provide a framework for analysing the choices made by administrators, and by judges in judicial review. The unit develops perspectives on how the values of openness, rationality, fairness and participation may be promoted through Administrative Law.

## LAWS2011

### Federal Constitutional Law

#### Law

**Credit points:** 6 **Teacher/Coordinator:** Dr Peter Gerangelos **Session:** Semester 1 **Classes:** 2x2hr seminars/wk for 10 weeks, optional tutorials **Prerequisites:** LAWS1021 **Prohibitions:** LAWS1004, LAWS3000, LAWS3003 **Assessment:** 1x mid-term assessment and 1x final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to candidates proceeding under the new LLB resolutions.*

**Associated degrees:** LL B, UG Study Abroad Program.

The main objective of the course is to impart an understanding of the fundamentals of federal constitutional law through the study of key judicial decisions on powers and prohibitions in the Commonwealth Constitution. In a one session course it is neither feasible nor desirable to study all aspects of federal constitutional law. The course is designed to provide a general conceptual framework for solving problems about federal constitutional law by a detailed treatment of selected topics.

The course also aims to:

- Provide analysis of the function of the High Court as the final arbiter of constitutionality.
- Develop an understanding of the techniques of judicial review as applied in Australia.
- Encourage discussion on the adequacy of the Constitution as Australia's basic instrument of government and on the scope for 'reform' by interpretation.

The topics covered in detail are: Trade and commerce, severance and reading down, inconsistency, external affairs, defence, corporations, freedom of interstate trade, general doctrines of characterisation and interpretation, grants, revenue powers, excise duties, and constitutional rights.

The course includes some material on the US Constitution to provide points of comparison and contrast.

## LAWS2012

### Intro to Property and Commercial Law Law

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Patricia Lane **Session:** Semester 1 **Classes:** 2x2hr seminars/wk for 10 weeks **Prohibitions:** LAWS2004, LAWS2007 **Assessment:** 1x interim assessment and 1x final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to candidates proceeding under the new LLB resolutions.*

**Associated degrees:** LL B, UG Study Abroad Program.

Property law and commercial law are two key sources of rights and obligations in modern western law. This subject provides an introduction to both areas of law, and shows the ways in which they are inter-related. The unit is designed to provide an opportunity to consider the role these areas of law play in Australian society, as well as giving a good grounding in legal principle.

Key topics covered will include: notions of "property"; an introduction to personal property; an introduction to real property including rights to fixtures and airspace; the different title systems relating to land in NSW (eg, Torrens; strata; Crown lands and including indigenous systems); the nature and classification of equitable interests in land and personalty; the principles governing assignment of rights to property at common law and in equity (including by sale and by compulsion - such as by bankruptcy), and an introduction to the principles for resolving competing claims to property

## LAWS2013

### The Legal Profession Law

**Credit points:** 6 **Teacher/Coordinator:** Dr Rita Shackel **Session:** Semester 1 **Classes:** 2x2hr seminars/wk for 10 weeks **Prohibitions:** LAWS1001, LAWS3002, LAWS3004 **Assessment:** class work/participation(10%), 1x2500wd assignment(40%), 1x open book exam(50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to candidates proceeding under the new LLB resolutions.*

**Associated degrees:** LL B, UG Study Abroad Program.

The Legal Profession concentrates on the regulation of legal practice and its practitioners. Part 1 of The Legal Profession examines the nature and structure of the legal profession, historical struggles to regulate the profession, and the current regulatory regime in New South Wales. Developments towards national legal practice are also examined. Part 2 explores specific forms of legal practice, highlights the major cultural and economic forces that challenge attempts to regulate the profession and canvasses alternative ways of organising legal practice and providing legal services. Part 3 evaluates the way

clients are treated by lawyers and suggests strategies to change their conduct in the interests of both equality and effective communication. Furthermore, it examines lawyers' duties to their clients and the Court, and the ways in which the rules and principles of confidentiality and conflicts of interest shape the advice and representation lawyers provide for their clients.

## LAWS2014

### Corporations Law Law

**Credit points:** 6 **Teacher/Coordinator:** Prof Jennifer Hill **Session:** Semester 2 **Classes:** 2x2hr seminars/wk for 10 weeks **Prohibitions:** LAWS2003 **Assessment:** 1 x in-class quiz (30%) and 1 x 2hr open book exam (70%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to candidates proceeding under the new LLB resolutions.*

**Associated degrees:** LL B, UG Study Abroad Program.

This unit of study considers the legal structure of the corporation as an organisational form for both public and proprietary companies. It is designed as an introduction to both the general law of corporations and the Australian regulatory context. The focus of this unit is on the nature of the corporation and its governance structure. The unit covers issues such as the implications of the company as a separate legal entity, power to bind the company, duties of directors, and shareholders rights and remedies. Students will be required to evaluate critically existing corporate law and reform proposals, with particular reference to legislative policy and underpinning theory.

## LAWS2015

### Equity Law

**Credit points:** 6 **Teacher/Coordinator:** Professor Patrick Parkinson **Session:** Semester 2 **Classes:** 2x2hr seminars/wk for 10 weeks **Prerequisites:** LAWS2012 **Prohibitions:** LAWS2004 **Assessment:** 1x compulsory or optional assignment (30%) and 1x exam (70% or 100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to candidates proceeding under the new LLB resolutions.*

**Associated degrees:** LL B, UG Study Abroad Program.

An appreciation of equitable principles and remedies is fundamental to understanding the legal system and the law of property, taxation and obligations. This unit of study explains the origins of the equitable jurisdiction and examines its role today. A substantial part of the unit is dedicated to study of the law of trusts, including remedial constructive trusts. Other topics include fiduciary obligations, breach of confidence, the doctrines of estoppel, undue influence and unconscionable dealing, and a study of the equitable remedies of the injunction, an account of profits and equitable compensation.

## LAWS2016

### Evidence Law

**Credit points:** 6 **Teacher/Coordinator:** Dr Rita Shackel **Session:** Semester 2 **Classes:** 2x2hr seminars/wk for 10 weeks **Prerequisites:** LAWS1006 Foundations of Law and LAWS1014 Civil and Criminal Procedure **Prohibitions:** LAWS2006 **Assessment:** 1x interim exam (30%) and 1x 2 hr final exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to candidates proceeding under the new LLB resolutions.*

**Associated degrees:** LL B, UG Study Abroad Program.

This unit of study aims to teach students the laws of evidence. The focus of this unit is on the operation of the laws of evidence in civil and criminal trials. The unit considers the laws of evidence contained in statute and the common law. Students will appreciate the significant law reform in this area. The unit considers the rules for adducing evidence, then the rules of admissibility (relevance, hearsay, opinion, tendency and coincidence, credibility, character, privilege and the discretions to exclude evidence). Finally, there will be consideration of issues relating to proof. This unit will focus on the uniform Evidence Acts 1995 and develop students' skills in the area of statutory interpretation. Further, the unit aims to introduce students to the contexts within which lawyers might encounter evidential issues in

the course of a trial. Consideration is also given to the ethical problems that may arise in the conduct of a trial. Students are encouraged to think critically about the doctrines that govern the laws of evidence.

## **LAWS2017**

### **Real Property**

#### **Law**

**Credit points:** 6 **Teacher/Coordinator:** Dr Fiona Burns **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS2012 **Prohibitions:** LAWS2007 **Assessment:** As this is a new unit of study, the assessment is still being finalized. At the time of printing the likely assessment was an optional 1500-1800wd optional mid-semester assignment (30%) and a 90 minute (70%) exam; OR 2hr exam (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to candidates proceeding under the new LLB resolutions.*

**Associated degrees:** LL B, UG Study Abroad Program.

Land law (or the law of "real property") has always played an important role in the economic, social and political life of Australia. Australian real property law draws much of its principle from English real property law; but over the last 100 years in particular, Australian real property law has begun to develop its own unique character. This is particularly evident in two key aspects of modern Australian law: the Torrens system of land registration (which forms a large part of this unit of study) and the developing law of indigenous title to land (which is studied in Introduction to Property and Commercial Law, but which may surface occasionally in parts of this unit also).

This unit considers in particular the following topics: priorities between competing interests in land (building on material from the introductory unit, Introduction to Property and Commercial Law); the Torrens system of land registration; co-ownership of land (joint tenancies and tenancies in common); leases and licences; easements; covenants; mortgages.

## **LAWS3000**

### **Federal Constitutional Law**

#### **Law**

**Credit points:** 10 **Teacher/Coordinator:** Dr Peter Gerangelos **Session:** Semester 1 **Classes:** 2x2hr seminars/wk for 10 weeks **Prerequisites:** LAWS1006 **Prohibitions:** LAWS1004, LAWS2011, LAWS3003 **Assessment:** 2 x mid-semester assignments and 1x final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to Combined Law candidates proceeding under the old LLB resolutions. Student attend classes for LAWS2011.*

**Associated degrees:** B A, LL B, B Com, LL B, B Ec (Soc Sc), LL B, B Ec, LL B, B Ec Soc Sc, LL B, B Int S, LL B, B Sc, LL B, UG Study Abroad Program.

This unit of study aims to achieve an understanding of the principles of Australian constitutional law. The unit commences with an overview of the Commonwealth Constitution within the Australian legal and political framework. Substantive topics include, but are not confined to: the defence power, the marriage power, the external affairs power, federalism (including state constitutions and the relationship between Commonwealth and state laws); economic and fiscal power and relations (including the corporations power, the trade and commerce power, freedom of interstate trade, and excise); the judicial power of the Commonwealth; express and implied constitutional rights and freedoms; and principles of constitutional interpretation. Other topics may be covered, especially if a constitutional power becomes controversial or topical. The unit aims to develop a capacity to evaluate the principles of constitutional law critically, from the perspective of both doctrine and policy.

## **LAWS3001**

### **Torts**

#### **Law**

**Credit points:** 10 **Teacher/Coordinator:** Assoc Prof Barbara McDonald **Session:** Semester 2 **Classes:** 1x2hr lecture and 1x1hr seminar/wk **Prerequisites:** LAWS1006 **Prohibitions:** LAWS1005, LAWS1010, LAWS1012 **Assessment:** 2500w assignment (30%), tutorial participation (10%) and 1x2hr exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to Combined Law candidates who commenced prior to 2001 and have previously enrolled in LAWS1007.*

**Associated degrees:** B A, LL B, B Com, LL B, B Ec (Soc Sc), LL B, B Ec, LL B, B Ec Soc Sc, LL B, B Sc, LL B.

This is a general introductory unit of study concerned with liability for civil wrongs. The unit seeks to examine and evaluate, through a critical and analytical study of primary and secondary materials, the function and scope of modern tort law and the rationale and utility of its governing principles. Particular topics on which the unit will focus include:

- (a) The relationship between torts and other branches of the common law including contract and criminal law;
- (b) The role of fault as the principal basis of liability in the modern law;
- (c) Historical development of trespass and the action on the case and the contemporary relevance of this development;
- (d) Trespass to the person (battery, assault, and false imprisonment);
- (e) Interference with goods (trespass, detainment and conversion);
- (f) Trespass to land and private nuisance;
- (g) The action on the case for intentional injury;
- (h) Defences to trespass, including consent, intellectual disability, childhood, necessity and contributory negligence;
- (i) Development and scope of the modern tort of negligence, including detailed consideration of duty of care and breach of duty with particular reference to personal and psychiatric injury;
- (j) Injuries to relational interests, including compensation to relatives of victims of fatal accidents;
- (k) Defences to negligence.

## **LAWS3002**

### **Law, Lawyers and Justice**

#### **Law**

**Credit points:** 10 **Teacher/Coordinator:** Dr Rita Shackel **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS1006 **Prohibitions:** LAWS1001, LAWS1007, LAWS2013, LAWS3004 **Assessment:** class participation, 1x2500wd assignment, 1x assignment, and 1x open book exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to Combined Law candidates proceeding under the old LLB resolutions. Student attend classes for LAWS2013 The Legal Profession.*

**Associated degrees:** B A, LL B, B Com, LL B, B Ec (Soc Sc), LL B, B Ec, LL B, B Ec Soc Sc, LL B, B Int S, LL B, B Sc, LL B, UG Study Abroad Program.

Law, Lawyers and Justice has a distinct intellectual focus. It is the only unit in the curriculum that concentrates on the regulation of the legal profession and legal practice. Part 1 of Law, Lawyers and Justice examines the nature and structure of the legal profession, historical struggles to regulate the profession, and the current regulatory regime in New South Wales. Part 2 explores specific forms of legal practice, highlights the major cultural and economic forces that challenge attempts to regulate the profession and canvasses alternative ways of organising legal practice and providing legal services. Part 3 investigates the adversary system and considers its advantages and limitations. More specifically, the material in Part 3 addresses how the adversary system moulds lawyers' behaviour within and outside the judicial process and analyses current regulatory measures aimed at curbing the undesirable aspects of an adversarial culture. Part 4 evaluates the way clients are treated by lawyers and suggests strategies to change their conduct in the interests of both equality and effective communication. Furthermore, it examines lawyers' duties to their clients and the ways in which the rules and principles of confidentiality, legal professional privilege and conflicts of interest shape the advice and representation lawyers provide for their clients.

## **LAWS3003**

### **Federal Constitutional Law**

#### **Law**

**Credit points:** 12 **Teacher/Coordinator:** Dr Peter Gerangelos **Session:** Semester 1 **Classes:** 2x2hr seminars/wk for 10 weeks **Prerequisites:** LAWS1006 **Prohibitions:** LAWS1004, LAWS2011, LAWS3000 **Assessment:**

2 x mid-semester assignments and 1x exam **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to Combined Law candidates proceeding under the old LLB resolutions. Students will attend classes for LAWS2011.*

**Associated degrees:** B A, LL B, B Com, LL B, B Ec (Soc Sc), LL B, B Ec, LL B, B Ec Soc Sc, LL B, B Int S, LL B, B Sc, LL B, UG Study Abroad Program.

This unit of study aims to achieve an understanding of the principles of Australian constitutional law. The unit commences with an overview of the Commonwealth Constitution within the Australian legal and political framework. Substantive topics include, but are not confined to: the defence power, the marriage power, the external affairs power, federalism (including state constitutions and the relationship between Commonwealth and state laws); economic and fiscal power and relations (including the corporations power, the trade and commerce power, freedom of interstate trade, and excise); the judicial power of the Commonwealth; express and implied constitutional rights and freedoms; and principles of constitutional interpretation. Other topics may be covered, especially if a constitutional power becomes controversial or topical. The unit aims to develop a capacity to evaluate the principles of constitutional law critically, from the perspective of both doctrine and policy.

### LAWS3004

#### Law, Lawyers and Justice

##### Law

**Credit points:** 12 **Teacher/Coordinator:** Dr Rita Shackel **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS1006 **Prohibitions:** LAWS1001, LAWS1007, LAWS2013, LAWS3002 **Assessment:** class participation, 1x2500wd assignment, 1x assignment, and 1x open book exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to Combined Law candidates proceeding under the old LLB resolutions. Students attend classes for LAWS2013 The Legal Profession.*

**Associated degrees:** B A, LL B, B Com, LL B, B Ec (Soc Sc), LL B, B Ec, LL B, B Ec Soc Sc, LL B, B Int S, LL B, B Sc, LL B, UG Study Abroad Program.

Law, Lawyers and Justice has a distinct intellectual focus. It is the only unit in the curriculum that concentrates on the regulation of the legal profession and legal practice. Part 1 of Law, Lawyers and Justice examines the nature and structure of the legal profession, historical struggles to regulate the profession, and the current regulatory regime in New South Wales. Part 2 explores specific forms of legal practice, highlights the major cultural and economic forces that challenge attempts to regulate the profession and canvasses alternative ways of organising legal practice and providing legal services. Part 3 investigates the adversary system and considers its advantages and limitations. More specifically, the material in Part 3 addresses how the adversary system moulds lawyers' behaviour within and outside the judicial process and analyses current regulatory measures aimed at curbing the undesirable aspects of an adversarial culture. Part 4 evaluates the way clients are treated by lawyers and suggests strategies to change their conduct in the interests of both equality and effective communication. Furthermore, it examines lawyers' duties to their clients and the ways in which the rules and principles of confidentiality, legal professional privilege and conflicts of interest shape the advice and representation lawyers provide for their clients.

### LAWS3006

#### Commercial Dispute Resolution (Seminar)

##### Law

**Credit points:** 8 **Teacher/Coordinator:** Mr Paul Scanlan **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Prohibitions:** LAWS3022 **Assessment:** 1x3500wd essay (45%), 3 assessable workshops worth 15% each (45% total), course participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** LL B, UG Study Abroad Program.

The rapid evolution and acceptance of alternative dispute resolution (ADR) has made it essential that practicing lawyers acquire the knowledge and skills to properly advise clients as to their options, and to be able to guide and support them through the chosen process.

All current ADR models and their variants are examined, from simple negotiation through to arbitration. Mandated ADR and the broader relationship of ADR to the functioning of the formal justice system is considered. The unit has a strong theoretical base but at the same time a clear emphasis on the practical skills needed to handle approaching conflict and resolve disputes.

This course has a strong commercial focus, and employs real life commercial disputes to exemplify typical situations a practitioner will face. Students will learn and develop non-legal skills in handling difficult people and difficult situations, such as self-awareness, empathy, powerful listening and emotional intelligence. They will role-play and workshop the resolution of commercial disputes which involve issues of substantive law as well as people-handling and negotiation techniques.

Completion will not qualify students as mediators.

### LAWS3007

#### Advanced Contracts

##### Law

**Credit points:** 8 **Teacher/Coordinator:** Dr Greg Tolhurst **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS1002 or LAWS2008 or LAWS1015 **Assessment:** 1x3hr exam (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** LL B, UG Study Abroad Program.

This unit aims to build on the level of knowledge students gained in the core contract unit. To give the course a focus, particular areas of contract are concentrated on, however, by the end of the course most of the core contract course will be revisited at a higher level of sophistication. In addition, the course will draw upon and develop the knowledge students gained in the core equity and property courses. This course is broken into general units of study, which may vary in any given year. For example, topics covered may include restitution following discharge of contract, the assignment of contractual rights, good faith in contract law, and sale of goods.

### LAWS3008

#### Advanced Corporate Law

##### Law

**Credit points:** 8 **Teacher/Coordinator:** Mr Saul Fridman **Session:** Semester 1, Summer Early **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS2003 **Assessment:** 1x10,000wd research paper (100%) or 2x5000wd research papers (100%) or combination of research paper and presentation (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** LL B, UG Study Abroad Program, UG Summer/Winter School.

This unit of study will deal with corporate insolvency as well as a number of contemporary issues concerning debt and equity finance in Australian public and proprietary companies. It will cover receivership, voluntary administration, liquidation, the raising of corporate finance and the positions of shareholders and creditors in the event of the company's insolvency.

### LAWS3009

#### Advanced Public International Law

##### Law

**Credit points:** 8 **Teacher/Coordinator:** Assoc Prof Chester Brown **Session:** Semester 1 **Classes:** 2x2hr seminar/wk **Prerequisites:** LAWS2005 or LAWS1018 **Assessment:** 1x 5000 wd research paper (50%), 1x2 hour exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** LL B, UG Study Abroad Program.

The purpose of this unit of study is to give an opportunity to students who are already familiar with the basic institutions and processes of public international law to deepen their knowledge of public international law, and widen their research experience in this field, by reference to selected issues of contemporary relevance. Students will be invited to engage with some of the particular challenges of legal practice in the public international law arena, as well as with some of

the leading scholarly debates in the field. Emphasis will be placed throughout the course on the legal analysis of contemporary international issues. These may include: the role of non-state actors in public international law; legal responses to some of the political and economic challenges of globalisation; new developments in the law on peace and security; the changing role of international organizations; and the fragmentation of international law.

### **LAWS3010**

#### **Advanced Real Property**

##### **Law**

**Credit points:** 8 **Teacher/Coordinator:** Assoc Prof Patricia Lane **Session:** Semester 2, Summer Late **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS2007 or (LAWS2017 and LAWS2012) **Prohibitions:** LAWS3100, LAWS3203 **Assessment:** 1x research essay (40%), 1x end of semester take-home exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** LL B, UG Study Abroad Program, UG Summer/Winter School.

The course in Real Property gave an introduction to the legal framework within which rights and interests in land are created and transferred. The Advanced Real Property course deals in greater depth with some of the issues studied in Real Property. This course will concentrate on issues raised by recent developments in property law, with particular emphasis on the role of legislation in allocating and regulating property rights. These themes will be considered in three areas:

1. The law and jurisprudence of the recognition of native title by the High Court in the Mabo case (Mabo v State of Queensland (No 2) (1992) 175 CLR 1) and the Native Title Act 1993;
2. Constitutional and legislative protection of property rights, and the balance between private and public interests in property, including new forms of resource-based proprietary rights;
3. The constraints on government exercise of power to abrogate, or regulate, rights in land, the relationship between environmental regulation and private property rights, and including the High Court decision *Hillpalm Pty Ltd v Heaven's Door Pty Ltd* (2004) 220 CLR 472;

In considering these issues, the course will examine the influences of property theory on the development of the law, including the tripartite classification of property relationships of Professor Kevin Gray, and other theoretical perspectives.

### **LAWS3013**

#### **Business Taxation**

##### **Law**

**Credit points:** 8 **Teacher/Coordinator:** Mr Nicholas Augustinos **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS3047 **Assessment:** 1x mid-term quiz and 1x2hr open book exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** LL B, UG Study Abroad Program.

This unit of study further pursues the goals of Personal Taxation and is to be regarded as an extension of that unit. In particular, the unit analyses the special difficulties of levying tax on business entities and complex transactions, and the operation of the income tax in an international environment. The taxes covered extend beyond the income tax to include stamp duties and goods and services tax, being indirect taxes usually paid by business. This unit of study will cover the following topics: (a) taxation of partnerships and trusts; (b) taxation of companies and shareholders under the imputation system; (c) taxation of international transactions; (d) goods and services tax; and (e) stamp duties.

### **LAWS3014**

#### **Chinese Laws and Chinese Legal Systems**

##### **Law**

**Credit points:** 8 **Teacher/Coordinator:** Ms Vivienne Bath **Session:** Semester 2, Summer L1 **Classes:** Semester 2: 2x2hr seminars/wk. Session 45: Intensive mode (3 weeks). Teaching takes place in November/December in Shanghai as part of the Shanghai Winter School. The unit is assessed in the following year. Applications for the Winter School open in May **Prohibitions:** LAWS3068

**Assessment:** Shanghai Winter School: 1x exam (20%) and 1x4000wd essay (80%). Semester 2: 1x exam (50%) and 1x 3000wd essay (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Note:** Department permission required for enrolment in the following sessions: Summer L1.

**Note:** Available to Sydney LLB students proceeding under the old resolutions.

**Associated degrees:** LL B.

This unit of study provides an overall picture of the contemporary Chinese legal system. The unit seeks to develop an understanding of the unique character of Chinese law by tracing its role through major social epochs - its imperial origins, the reforms of the Nationalist regime, the eras of revolutionary and radical transformations, and its role in a socialist market economy. The nature and function of law in contemporary China is explored through examination of the development of various legal regimes, including constitutional and administrative law, the civil and criminal law systems, the legal profession and court system, real property law, foreign investment law and intellectual property law.

### **LAWS3015**

#### **Private International Law**

##### **Law**

**Credit points:** 8 **Teacher/Coordinator:** Mr Ross Anderson (semester 1) **Session:** Semester 1, Summer Late **Classes:** 2x2hr seminars/wk **Assessment:** 1x open book class test (30%) and 1x2hr open book exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day **Note:** Department permission required for enrolment in the following sessions: Semester 1.

**Associated degrees:** LL B, UG Study Abroad Program, UG Summer/Winter School.

Private international law (or conflict of laws) is the part of local or municipal law which is concerned with questions which contain a foreign element. A foreign element in a legal question may consist of a relevant connection between a fact or party and a foreign legal system. For example, private international law issues may require consideration if a question arises in New South Wales concerning the distribution on death of the New South Wales property of a person domiciled in Greece or the validity of a mortgage of shares in an Indonesian corporation as security for a loan made by an Australian bank or the enforcement in Australia of the judgment of an Austrian court. This unit is a study of selected theoretical and applied aspects of private international law which seeks to develop your understanding of the international dimension of private law and your appreciation of the fact that many legal questions which arise in everyday-life are not confined within one legal system. The principal areas on which the unit of study will focus are (1) the concept of domicile and its role as the main personal connecting factor in common law systems; (2) renvoi and the incidental question; (3) property transactions; (4) succession; (5) marriage; (6) dissolution and annulment of marriage, including recognition in Australia of foreign dissolutions and annulments of marriage; (7) comparative choice of law in tort; and (8) the enforcement in Australia of foreign judgments.

### **LAWS3016**

#### **Competition Law**

##### **Law**

**Credit points:** 8 **Teacher/Coordinator:** Dr Brett Williams **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Assessment:** 1x compulsory essay (33%) and 1x2hr compulsory exam (67%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** LL B, UG Study Abroad Program.

This unit of study examines competition law and policy in Australia. The provisions of Part IV of the Trade Practices Act 1974 (Cth) will be examined together with the reforms introduced by the National Competition Policy. The framework for analysis will include a critical examination of the fundamental purposes of competition law. Some references will be made to the restrictive trade practices provisions of comparative jurisdictions. Topics include: (a) history of competition law; (b) National Competition Policy; (c) elementary economics of competition; (d) fundamental concepts of markets, competition, market power and public benefit; (e) Mergers and acquisitions; (f) horizontal

arrangements affecting competition including price fixing and primary boycotts; (g) vertical arrangements which affect competition including third line forcing; (h) Misuse of substantial market power; (i) Authorizations and Notifications; (j) overview of Remedies and Enforcement. Additional topics may include resale price maintenance, access to Essential Services, exceptions relating to intellectual property.

### LAWS3020 Criminology Law

**Credit points:** 8 **Teacher/Coordinator:** Dr Murray Lee, Assoc Prof Gail Mason, Prof Julie Stubbs **Session:** Semester 1, Semester 2 **Classes:** 2x2hr seminars/wk **Assessment:** 1x research essay (50%), 1x take-home exam (40%) and class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

*Note: Completion of this unit satisfies the Jurisprudence/Part 2 requirement of the LLB.*

**Associated degrees:** LL B, UG Study Abroad Program.

This unit of study aims to introduce students to the theoretical issues associated with the definition and explanation of crime and criminality. Rationales for punishment are examined along with sentencing practice, and other possible responses to criminal behaviour are explored. The unit considers the impact of criminal justice policy and practice on particular groups such as juveniles, women, Indigenous people, ethnic minorities and victims of crime. The regulation of particular types of offences such as hate crime are considered. Other topical issues are covered as they arise in contemporary criminological debate. Students are expected to take part in visits to a gaol and/or a juvenile detention centre.

### LAWS3022 Dispute Resolution Law

**Credit points:** 8 **Teacher/Coordinator:** Prof Hilary Astor **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Prohibitions:** LAWS3006 **Assessment:** 1x2500wd problem (35%), class participation (15%) and 1x3500wd research essay (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** LL B.

Rapid growth in the use of alternative dispute resolution (ADR) in recent years means that this subject is of great practical importance for lawyers. This unit of study introduces a range of methods of resolving disputes, including negotiation, mediation, arbitration, and expert processes. The relationship of ADR to the formal justice system is considered. The application now and into the future of ADR in several areas of law and various jurisdictions is examined. The unit is theoretical, critical and evaluative, as well as having a strong emphasis on the practical skills needed to handle approaching conflict and to resolve disputes. Students will learn skills in interviewing, negotiation and mediation. Students will be required to read materials from disciplines other than law. Completion will not qualify students as mediators.

### LAWS3023 Employment and Industrial Law Law

**Credit points:** 8 **Teacher/Coordinator:** Dr Shae McCrystal **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Prerequisites:** (LAWS1002 or LAWS2008) and (LAWS1004 or LAWS3000 or LAWS3003) **Assessment:** 1x1500wd essay (20%), 1x2500wd essay (30%) and 1x1.5hr exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** LL B, UG Study Abroad Program.

The aim of this unit is to introduce students to the law regulating relationships at the workplace. Traditionally, this body of law has been described as "labour law", and has fallen into two general divisions. "Employment law" deals with the individual contract between employer and employee, and "industrial law" deals with the collective aspects of the subject, including award making, enterprise bargaining and

controls on industrial action. There has always been interaction and overlap between the individual and collective aspects of labour law, however the recent shift in political focus - from "industrial relations" to "workplace relations" - has brought particular challenges, which will be examined in this unit.

### LAWS3024 Environmental Law Law

**Credit points:** 8 **Teacher/Coordinator:** Dr Andrew Edgar, Ms Susan Shearing **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Assessment:** 1x4000wd essay (40%) and 1x take-home exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** LL B, UG Study Abroad Program.

This unit of study introduces students to the legal and institutional implications of adopting the precepts of ecologically sustainable development, particularly for governments and corporations. The unit begins with a discussion of environmental ethics, followed by an exploration of its ramifications for policy and decision making, legal structures and processes, accountability, and federal and international relations. Various fields of regulation (including land-use; pollution and natural resources), and decision-making processes (including environmental impact assessment and environmental dispute resolution) provide the context in which to develop the issues.

### LAWS3025 External Placement Program (EPP) Law

**Credit points:** 8 **Teacher/Coordinator:** Mr Graeme Coss **Session:** Semester 1 **Classes:** 1x2hr seminar/fortnight and the equivalent of one day per week for the semester at a pre-selected placement site **Assessment:** 1x essay (40%), seminar performance (30%), placement site evaluation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Enrolment in this unit of study is by special application. Enrolment is restricted to students in their final year of study.*

**Associated degrees:** LL B.

The focus of this unit of study is 'experiential learning' - i.e. learning by doing. In this unit students are afforded the opportunity to work for one day per week during the semester in a 'public interest' placement site. In addition, students attend fortnightly seminars (8 per semester) which are designed to promote discussion and reflection on a range of issues that may arise during the course of the placement as well as seminar presentations on matters relevant to public interest externships. The unit has a public interest focus which is reflected in the selection of placement sites. At the end of the unit students should have: (i) acquired a better sense of the professional and personal responsibilities associated with the practice of law; (ii) developed an appreciation that the law is a people profession; (iii) observed and participated in a high level of problem solving flowing from real case files (where appropriate); (iv) been introduced to the basic inter-personal skills involved in the practice of law; (v) been introduced to aspects of the practice of law such as legal writing, advocacy and time management; and developed the character and habits of a reflective practitioner.

### LAWS3026 Family Law Law

**Credit points:** 8 **Teacher/Coordinator:** Prof Hilary Astor (semester 1), Prof Patrick Parkinson (semester 2) **Session:** Semester 1, Semester 2 **Classes:** 2x2hr seminars/wk **Assessment:** Semester 1: 1x 4,000 wd essay (50%), 1 x exam (50%), Semester 2: 1x 3000wd essay (30%) and 1x exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** LL B, UG Study Abroad Program.

This unit of study will examine key aspects of Australian family law in their theoretical, social and political context. The laws and legal frameworks that regulate de facto relationships (including gay and lesbian relationships) and marriages will be covered. The strengths and weaknesses of existing law and policy and the impact of family



law reform will be considered. Understanding of the law will be supplemented by discussion of effective and sensitive practice of family law. Topics covered will include 1. The legal regulation of families 2. Resolution of family disputes 3. Violence against women 4. Children and parents 5. Property and Income on marriage breakdown.

### **LAWS3030**

#### **Independent Research Project**

##### **Law**

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Prohibitions:** LAWS3031 **Assessment:** 1x5000wd research paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Enrolment in this unit of study is at the discretion of the Faculty. Enrolment is by special application and is restricted to students in their final year of study.*

**Associated degrees:** LL B.

The goal of this unit of study is to provide students with an opportunity to pursue independent research in an area of their choosing. The project must involve a new piece of research. Material which has been submitted for assessment in any other unit of study may not form part of the project. Before enrolling in this unit of study, the student must formulate in writing the topic of the research project and a statement of methodology. The topic of the research project and the methodology must be approved in writing by a member of the teaching staff who agrees to act as supervisor and to be responsible for assessment of the research project. This approval will not be given if the topic of the research project falls within the scope of another unit of study being offered in the same semester. Students must have a WAM of 70% or higher to be eligible to enrol in this unit.

### **LAWS3031**

#### **Independent Research Project**

##### **Law**

**Credit points:** 8 **Session:** Semester 1, Semester 2 **Prohibitions:** LAWS3030 **Assessment:** 1x10,000wd research paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Enrolment in this unit of study is by special application and is restricted to students in their final year of study.*

**Associated degrees:** LL B, UG Summer/Winter School.

The goal of this unit of study is to provide students with an opportunity to pursue independent research in an area of their choosing. The project must involve a new piece of research. Material which has been submitted for assessment in any other unit of study may not form part of the project. Before enrolling in this unit of study, the student must formulate in writing the topic of the research project and a statement of methodology. The topic of the research project and the methodology must be approved in writing by a member of the teaching staff who agrees to act as supervisor and to be responsible for assessment of the research project. This approval will not be given if the topic of the research project falls within the scope of another unit of study being offered in the same semester. Students must have a WAM of 70% or higher to be eligible to enrol in this unit.

### **LAWS3033**

#### **Intellectual Property**

##### **Law**

**Credit points:** 8 **Teacher/Coordinator:** Dr David Rolph (semester 1), Dr Simon Butt (semester 2) **Session:** Semester 1, Semester 2 **Classes:** 2x2hr seminars/wk **Assessment:** 1x in-class test (50%) and (1x in-class test or 1x essay) (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** LL B, UG Study Abroad Program.

This unit of study will provide a comprehensive overview of the disparate legal rights and causes of action which fall within the general rubric of intellectual property law. These rights fall broadly into two categories: (i) the Creative Rights which are based on a policy of encouraging the exercise of inventive, creative and entrepreneurial

skill and labour to a commercial end and include the law of copyright, patents, industrial designs, trade secrets and confidential information. (ii) the Marketing Rights which concern the marketing of products and are based on a policy of preventing customer confusion and unfair competition in the market place, specifically by way of misrepresentation and include the law of trademarks, passing off and s.52 of the Trade Practices Act 1974. The range of topics and different regulatory regimes to be covered mean that some topics will inevitably be covered in considerably more depth and detail than others. There will be a particular emphasis on registered trade marks and the law of copyright. The general objectives of the unit are to develop a critical understanding of the basic laws and policies governing intellectual property in Australia and to examine and evaluate the operation of those laws and policies. The unit objectives will be attained through classroom discussion and debate and through a study of primary and secondary materials, with emphasis on decided cases and statutory interpretation.

### **LAWS3034**

#### **International Human Rights Law**

##### **Law**

**Credit points:** 8 **Teacher/Coordinator:** Prof David Kinley **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS2005 **Assessment:** class participation (10%), 1x3000wd take-home exam (40%) and 1x4000wd essay (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** LL B, UG Study Abroad Program.

This unit of study introduces students to the principles and practice of international human rights law - a species of international law and policy and a field of ever-expanding dimensions. It will introduce students to some key concepts, debates, documents and institutions in this field, while encouraging critical examination of these from a variety of angles. In summary, this unit considers the question: What happens when we regard a situation or predicament as one involving a breach of international human rights law? What possibilities and problems does this entail? Addressing these questions, we will look at: (a) particular fora where international human rights law is being produced (international tribunals, domestic courts, multilateral bodies - including United Nations organs - regional agencies, non-governmental organisations, academic institutions, and the media); (b) particular settings where international human rights law is being deployed (in Australia and elsewhere); and (c) particular identities/subjects that international human rights law aspires to shape, regulate or secure.

### **LAWS3035**

#### **Jessup International Law Moot**

##### **Law**

**Credit points:** 8 **Teacher/Coordinator:** Dr Timothy Stephens **Session:** S2 Late Int **Prerequisites:** LAWS2005 or LAWS1018 **Prohibitions:** LAWS3093 **Assessment:** class participation, memorial writing & mooting and team participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Enrolment in this unit of study is by special application.*

**Associated degrees:** LL B.

This unit of study is based on the Jessup International Law Moot Competition conducted annually among law schools throughout the world. Students in the unit work as a team preparing written memorials on a problem of current interest in international law. Mooting usually takes place over four days at the Australian Regional Rounds held in Canberra during February. Assessment is based on a short paper dealing with an issue in the moot problem, memorial writing, mooting and team participation. Previous problems have dealt with the law of the sea, Antarctica, international environmental law and trade law, though always emphasizing basic principles of public international law. Enrolment in this unit will be by competitive selection in accordance with the rules of the competition. The course requires students to consult individually with other team members and the lecturer with no formal classes scheduled.

## LAWS3036

### Law and Economics Law

**Credit points:** 8 **Teacher/Coordinator:** Prof Patricia Apps **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Assessment:** 1x1500wd essay (15%), 1x2000wd essay (20%), class participation (5%) and 1x2hr exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Completion of this unit satisfies the Jurisprudence/Part 2 requirement of the LLB.*

**Associated degrees:** LL B, UG Study Abroad Program.

The aim of this unit of study is to provide an understanding of the economic analysis of law and to clarify differences between the role of legal argument and the welfare analysis of policy. The unit of study outlines the objectives of public policy defined within the framework of modern welfare economics and examines the social and economic effects of legal regimes within that framework. Particular attention is given to the definition of a competitive market as an analytical concept, and to the available empirical evidence of market failure and the need for government intervention and policy reform. Topics covered include the following: (a) Concepts of social justice and the public interest: fundamental theorems of welfare economics; (b) Economic analysis of property law: legal concept of property and the effects of property rights assignments on wealth and bargaining power; (c) Contract and consumer law: trade theory, bargaining models, asymmetric information, insurance and principles of contract damages; (d) Family law: economics of family formation, household production, intra-family transfers and exchange, child care, discrimination, and fertility; (e) Tort rights and remedies: economics of insurance, asymmetric information and moral hazard, and the distinction between fault and no-fault risk; (f) Economics of crime: formulation of behavioral models, empirical evidence on disincentive effects of punishment, estimation problems, and case studies; (g) Economics of regulation: monopoly theory and the structure of oligopolistic markets; applications to environmental problems and the labour market; (h) Agency theory: application to corporate governance and control.

## LAWS3040

### Law International Exchange Elective Law

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Available to outbound exchange students only.*

**Associated degrees:** LL B.

For students studying overseas on an official university exchange program.

## LAWS3041

### Law International Exchange Elective Law

**Credit points:** 8 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Available to outbound exchange students only.*

**Associated degrees:** LL B.

For students studying overseas on an official university exchange program.

## LAWS3042

### Law International Exchange Electives Law

**Credit points:** 16 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Available to outbound exchange students only.*

**Associated degrees:** LL B.

For students studying overseas on an official university exchange program.

## LAWS3043

### Law International Exchange Electives Law

**Credit points:** 20 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Available to outbound exchange students only.*

**Associated degrees:** LL B.

For students studying overseas on an official university exchange program.

## LAWS3044

### Law International Exchange Electives Law

**Credit points:** 24 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Available to outbound exchange students only.*

**Associated degrees:** LL B.

For students studying overseas on an official university exchange program.

## LAWS3045

### Migration Law Law

**Credit points:** 8 **Teacher/Coordinator:** Dr Mary Crock **Session:** Semester 2 **Classes:** 2 x 2hr seminar/wk **Prerequisites:** LAWS2002 **Assessment:** 1 x research essay or participation in a class moot (40%); 1 x open book exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** LL B, UG Study Abroad Program.

The aim of this unit of study is to introduce students to the legal and policy framework governing immigration control in Australia. Of all the sub-specialities of applied Administrative Law, Migration Law stands out for the breadth of interest and the depth of emotions it excites in members of the broader community. Statistics suggest that one in four of today's Australians were either born overseas or have a foreign-born parent. In spite of this, resentment persists of the immigration program in general and of uninvited migrants in particular (both unlawful non-citizens and on-shore refugee claimants). By placing the current mechanisms for controlling migration in their legal, social, historical and economic contexts, students will be given the opportunity to explore the big issues raised by migration and to look at why the subject has assumed such a central role in Australia's identity as a nation. On a practical level, the unit seeks to develop in students: (a) Skills of statutory interpretation and problem-solving, through the study and use in practical situations of the Migration Act 1958 and its associated Regulations; (b) Skills of legal analysis, gained in the examination and synthesis of court decisions and rulings by the three major administrative review bodies: the Migration Review Tribunal; the Refugee Review Tribunal; and the Administrative Appeals Tribunal; (c) Oral and writing skills, through class presentations and the preparation of a major research paper or participation in a moot. More generally, the unit aims to encourage students to think clearly about the issues involved in immigration control and about the methods adopted by the government to achieve its policy objectives.

## LAWS3046

### Medical Law Law

**Credit points:** 8 **Teacher/Coordinator:** Prof Belinda Bennett (semester 1), Assoc Prof Roger Magnusson (semester 2) **Session:** Semester 1, Semester 2 **Classes:** 2x2hr seminars/wk **Assessment:** Semester 1: class participation (10%), 1x optional assignment (30%) and 1x exam (60% or 90%). Semester 2: 1 x 2,000 wd assignment (30%) and/or 1 x 3,500 wd essay (40%), 1 x open book exam (70%, 60% or 30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** LL B, UG Study Abroad Program, UG Summer/Winter School.

This unit of study aims to provide students with an introduction to the legal issues that arise in modern health care. Issues to be covered in the course include: consent to treatment, negligence by health professionals, confidentiality, dispute resolution, legal implications of reproductive technologies, euthanasia and end-of-life decision-making, and organ transplantation. By the end of the unit of study students will be expected to be familiar with the application of case and statute law to health care and be able to discuss the relevant ethical principles which may arise. Student participation in class discussion will be expected.

### **LAWS3047**

#### **Personal Taxation Law**

**Credit points:** 8 **Teacher/Coordinator:** Mr Nicholas Augustinos, Ms Celeste Black **Session:** Semester 1, Winter Main **Classes:** 2x2hr seminars/wk **Assessment:** 1x1hr mid-semester quiz (30%), 1x2hr open book exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** LL B, UG Study Abroad Program, UG Summer/Winter School.

This unit provides an introduction to the Australian federal income tax system (including capital gains tax and fringe benefits tax). It introduces both the operation of the tax laws and the underlying principles which those laws seek to implement, as well as the important issues in tax policy, thereby allowing students to make a critical examination of the Australian tax system. Topics covered include the concept of income, the allowable deductions and the capital/revenue distinction, capital allowances, capital gains tax, fringe benefits tax, tax accounting principles, and legislative responses to tax avoidance. The unit also introduces the key concepts used to evaluate tax policy, including welfare economics, thereby providing students with a basic understanding of why taxation is of such fundamental concern in modern democratic societies. The general principles are introduced from the perspective of their application to individuals. However, many of the legal principles discussed in the unit are of general application and are not confined to individuals. This unit serves as an introduction to the taxation of other entities, thereby leading into the study of Business Taxation. This unit is a prerequisite for Business Taxation.

### **LAWS3048**

#### **Policing Crime and Society Law**

**Credit points:** 8 **Teacher/Coordinator:** Prof Julie Stubbs **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Assessment:** 1x5000wd essay/research paper (50%) and 1x take-home exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Law UG Non-Degree, LL B, UG Study Abroad Program.

The unit of study aims to encourage students to further develop their skills and knowledge in criminology through the critical analysis of theoretical and policy issues within contemporary criminal justice. Particular attention will be paid to policing (in its widest sense) but the unit of study will also examine other criminal justice institutions. A significant component of the unit will be devoted to the analysis of specific criminal justice issues of current relevance. Students will examine: crime and crime control within a social and political context; policing and other institutions and processes of criminal justice in the light of contemporary research and policy debates; the major theoretical frameworks within which crime and criminal justice policy are constructed and analysed; methods of undertaking research and policy analysis; and theoretical assumptions underpinning criminal justice policy.

### **LAWS3052**

#### **Roman Law Law**

**Credit points:** 8 **Teacher/Coordinator:** The Hon Justice Arthur Emmett **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Assessment:** 1x2000wd essay (20%) and 1x3hr exam (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** LL B, UG Study Abroad Program.

This unit of study is a general introduction to all aspects of Roman private law. It consists of an historical sketch of Roman life and institutions from the earliest times until the time of Justinian, together with an introduction to Roman legal history and the development of Roman legal concepts. The Roman law of persons, property, obligations (both contractual and tortious) and succession are dealt with in depth and students are expected to know in some detail the Institutes of Justinian, the fundamental text to be studied. The unit is dealt with in a fairly flexible manner, so that students may choose which parts of the unit to study in detail and which parts to study in general outline only. Roman law is studied as a subject partly because of its great intrinsic worth, partly because Roman law has always been, and still is, of great historical importance; and partly, and probably most importantly, because it provides a means of comparing Roman law and the common law with each other and thereby gives a yardstick by which both the virtues and the shortcomings of our own common law can be appreciated. Roman influence is to be found in the legal systems of all European and many South East Asian nations.

### **LAWS3057**

#### **Sydney Law Review Law**

**Credit points:** 8 **Session:** Semester 1, Semester 2 **Assessment:** 1x2500wd essay (25%), 1x5000wd case note (50%), plus editing (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Enrolment in this unit of study is by special application. For further information, please visit [www.law.usyd.edu.au/slr](http://www.law.usyd.edu.au/slr)*

**Associated degrees:** LL B.

This unit of study is offered annually under the supervision of the Editor of the Sydney Law Review, who is a member of the full-time teaching staff. The unit is limited to approximately 18-24 students per year, who are selected on the basis of their academic results. Preference may be given to students in their final year in the selection of students for the unit. Each student will complete a range of tasks with respect to the Review, including the following:

- (a) checking articles which have been accepted for accuracy and completeness;
- (b) assisting in the editing and proofreading of accepted articles in the production process;
- (c) writing for submission to the Review one essay plus one case note.

Students selected for this unit must be prepared to serve for six months so that duties may extend beyond the end of formal teaching and assessment, or commence before formal teaching.

A class on editing, research and writing will be provided, and students will be in regular contact with the unit co-ordinator. The Student Editors' main areas of responsibility are as follows:

- (1) Students perform a major editorial role in the production of the Review. All accepted submissions are edited by the students in consultation with an academic supervisor. Students then proofread the articles after they have been typeset. Students are expected to check all quotations and citations for accuracy, to impose the Sydney Law Review house style, and to consult with the academic supervisor if any substantive or stylistic changes are required.
- (2) students are required to complete two pieces of written work: a 2500 word essay analysing a recent piece of law reform and a 5000 word case note. For both the law reform essay and the case note students work with an academic supervisor, selected by the student. A limited number of case notes are selected for publication, according to their merit.

### **LAWS3059**

#### **Media Law Law**

**Credit points:** 8 **Teacher/Coordinator:** Dr David Rolph **Session:** Semester 2, Summer Early **Classes:** 2x2hr seminars/wk **Assessment:** 1x optional problem-based assignment, 1x optional research essay, 1x open book exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** LL B, UG Study Abroad Program, UG Summer/Winter School.

Media Law surveys the law regulating the freedom of the media to investigate and collect information and to produce, reproduce and disseminate factual and fictional material, whether in print, film, by broadcast or by electronic means. The primary focus of this unit is the legal constraints that apply to the everyday practice of journalism. Thus, the unit aims to teach the law of contempt, defamation, breach of confidence and torts which have an impact on journalism, and the limits of investigative reporting. Attention is given throughout the unit to topical and current legal issues relating to the media. Students will be expected to be able to identify and apply the current legal rules and to evaluate their efficacy in protecting and balancing various interests in society: freedom of speech, protection of reputation, privacy, freedom from harassment, protection of confidential information, the right to a fair trial, public interest in the due and open administration of government and justice. The unit is currently divided into three modules: (i) contempt and open justice; (ii) defamation and freedom of speech; and (iii) privacy and breach of confidence.

### LAWS3064

#### Law and Commercial Transactions

##### Law

**Credit points:** 8 **Teacher/Coordinator:** Ms Jacqueline Mowbray, Dr Gregory Tolhurst **Session:** Semester 2, Winter Main **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS1002 or LAWS2008, LAWS2004, LAWS2007 **Assessment:** 1 x exam (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** LL B, UG Study Abroad Program, UG Summer/Winter School.

This unit of study offers students an opportunity to examine the key commercial doctrines and institutions in non-corporate commercial law. The unit will investigate numerous pieces of legislation and case law dealing in commercial law. The unit will advance students' knowledge of not only commercial law but statutory interpretation and case law analysis. This is a survey unit, offering a broad overview of commercial law; topics may include property transfer; commercial relationships (partnership; principal and agency; bailment); sale of goods; risk management (taking security - insurance); and commercial remedies.

### LAWS3068

#### Chinese Laws and Chinese Legal Systems

##### Law

**Credit points:** 6 **Teacher/Coordinator:** Ms Vivienne Bath **Session:** Summer L1 **Classes:** Intensive mode (3 weeks). Teaching takes place in November/December in Shanghai as part of the Shanghai Winter School. The unit is assessed in the following year. Applications for the Winter School open in May and close in July. **Prohibitions:** LAWS3014 **Assessment:** 1x exam (30%) and 1x3000wd essay (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Available to cross-institutional and non-degree candidates, and University of Sydney LLB candidates proceeding under the new resolutions.*

**Associated degrees:** Law UG Cross-Inst, Law UG Non-Degree, LL B.

This unit of study provides an overall picture of the contemporary Chinese legal system. The unit seeks to develop an understanding of the unique character of Chinese law by tracing its role through major social epochs - its imperial origins, the reforms of the Nationalist regime, the eras of revolutionary and radical transformations, and its role in a socialist market economy. The nature and function of law in contemporary China is explored through examination of the development of various legal regimes, including constitutional and administrative law, the civil and criminal law systems, the legal profession and court system, real property law, foreign investment law and intellectual property law.

### LAWS3072

#### International Commercial Transactions

##### Law

**Credit points:** 8 **Teacher/Coordinator:** Dr Luke Nottage **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Prerequisites:** (LAWS1002 or LAWS2008) and (LAWS2005 or LAWS1018) **Assessment:** Open book mid-semester exam (40%), final research essay (40%), 1x1000wd class presentation (10% individually or [tbc] paired) and other class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** LL B, UG Study Abroad Program.

This unit introduces a range of key legal and practical issues in conducting cross-border business. It aims to outline basic concepts and how they are applied as commerce and technology evolve; but also to explore possible tensions between pressures towards harmonisation in law and practice due to globalisation of economic relations, and the resilience of local or regional traditions. Part 1 surveys sources of law, primary institutions, and main legal vehicles now used in international trade and investment, including the WTO and FTAs. Part 2 focuses on issues in negotiating and drafting contracts, especially those governed by the United Nations Convention on Contracts for the International Sales of Goods (acceded to by Australia in 1988, and almost all other major trading nations) and the UNIDROIT Principles of International Commercial Contracts, including related issues such as payment mechanisms, Carriage of Goods, and insurance. Part 3 introduces basic principles of cross-border dispute resolution, especially international commercial arbitration. Part 4 compares key concepts and issues in influential product liability regimes, namely those found in Europe (and increasingly in the Asia-Pacific region) and the United States. It also outlines broader product safety regulation. Part 5 introduces intellectual property rights and licensing. Part 6 provides an overview of major corporate governance regimes worldwide. These can be central to effective management of cross-border contractual relationships, as well as in decisions to set up corporate presences in offshore markets. Foreign investment regulation and basic taxation issues are also considered. By way of review, Part 7 looks at investor-state arbitrations. To link the many topics in these Parts, the course develops a hypothetical case involving mainly an Australian exporter and Japanese trading partners. The course recalls and develops material covered in other undergraduate courses, but also prepares students for advanced or postgraduate courses in more specific fields. It complements the Japanese Law course, which has a more theoretical focus.

### LAWS3076

#### Japanese Law

##### Law

**Credit points:** 8 **Teacher/Coordinator:** Assoc Prof Luke Nottage (convenor) with other Australian and Japanese lecturers **Session:** S1 Late IntA **Classes:** intensive in Kyoto (and [tbc] Tokyo) 12-15 & 18-22 February 2009 **Assessment:** 2x1000wd reflective notes (20%), and 1x7000wd research essay (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** LL B, UG Study Abroad Program.

This unit aims to develop the general skills of comparative lawyers, to effectively and critically assess contemporary developments in the legal system of the largest economy in our region. It is taught intensively in Japan by co-directors of the Australian Network for Japanese Law ([www.law.usyd.edu.au/anjel](http://www.law.usyd.edu.au/anjel)) and Japanese professors, mainly from Ritsumeikan University Law School in Kyoto, with some guest lectures by Japanese and other practitioners as well as field trips to various legal institutions. About half the students generally come from Ritsumeikan or other Japanese Law Schools; the other half come from Australian universities or other institutions. The first week in Kyoto provides an introduction to how law operates in Japanese society. After an overview of comparative law techniques, Japanese legal history and its contemporary legal system, classes explore civil and criminal justice, politics and constitutionalism, gender and law, and an introduction to business and law. The second week in Tokyo examines business law topics in more detail, such as corporate and securities law, consumer law (including product safety and financial services), insolvency, ADR, and lawyering.

**LAWS3081****Health Law Jurisprudence****Law**

**Credit points:** 8 **Teacher/Coordinator:** Professor Belinda Bennett **Session:** Semester 2 **Classes:** Two 2 hr seminars per week **Assessment:** Class participation (10%), Assignment (30%), Take-home exam (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Completion of this unit satisfies the Jurisprudence/Part 2 requirement for the LLB in the Faculty of Law.*

**Associated degrees:** LL B, UG Study Abroad Program.

This unit of study analyses the theoretical bases for the rights, duties and concepts that form the foundations of health and medical law. The issues to be covered in this unit will include: whether there is a right to health; core principles of bioethics; the role of autonomy in health care and the limits of autonomy; the historical and legal evolution of informed consent; personhood and sanctity of life; justice in health care; regulatory models for health care; and property rights in health care. Readings for the course will be theoretical and interdisciplinary. Participation in class discussion will be expected.

**LAWS3083****Theories of Legal Reasoning****Law**

**Credit points:** 8 **Teacher/Coordinator:** Dr Kevin Walton **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Assessment:** 1x in-class test (30%), 1 x essay (50%) and class-participation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Completion of this unit satisfies the Jurisprudence/Part 2 requirement of the LLB.*

**Associated degrees:** LL B, UG Study Abroad Program.

This unit of study explores the nature of legal argumentation from a philosophical perspective. With reference to various theories, it examines the process from which legal conclusions result. The principal theme is the relationship between legal and other forms of decision-making. What - if anything - is distinctive about legal rationality? How - if at all - does legal reasoning differ from other forms of argumentation? Topics for discussion include: the role of morality in legal decision-making; the politics of legal reasoning; rules and their application; the nature of legal principles; the practice of interpretation; the objectivity of legal decisions; the connection between a theory of law and a theory of legal argumentation.

**LAWS3086****War Law: Use of Force & Humanitarian Law****Law**

**Credit points:** 8 **Teacher/Coordinator:** Dr Ben Saul **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS2005 **Assessment:** 1x4000wd research paper (60%), 1x in-class assignment (30%) and class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** LL B, UG Study Abroad Program.

This unit explores the two key branches of international law which regulate military violence by governments or non-State actors: the law on the use of force, and international humanitarian law. The first part of the unit examines the law on the use of force, including its origins and the post-1945 framework of the United Nations Charter; the scope of the prohibition on the use of force, and the exception for self-defence; collective security through the UN Security Council; regional and bilateral security cooperation; humanitarian intervention; anti-terrorism operations; peacekeeping and peace enforcement; and conflict prevention. The second part of the unit explores the origins and purposes of humanitarian law; its scope of application; the different types and threshold of armed conflict; the permissible means and methods of warfare; the status and treatment of combatants, non-combatants and others; the protection of cultural property and the environment; the relationship to human rights law; and the implementation, supervision and enforcement of humanitarian law. By considering the two branches of law together, candidates will appreciate how and why different legal regimes developed to regulate

different aspects of military violence, and understand points of convergence and divergence.

**LAWS3087****Sports Law (seminar)****Law**

**Credit points:** 8 **Teacher/Coordinator:** Mr Saul Fridman **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Assessment:** Students will be offered a choice of assessment options including: written paper, examination, class presentation, moot court exercise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** LL B, UG Study Abroad Program.

Sporting activity cuts across a number of disparate areas of law. Increasing professionalism, the enormous growth in the Olympic Movement and the commercialisation of sport have all contributed to the development of sport as a business, as well as a pastime. As a result there has been increasing intersection of the law with sporting activity. In this course we will examine the following:

The economics of sports leagues

The structure of sporting organisations

International and national governance of sport

The impact of administrative law on the working of disciplinary tribunals

Industrial law and the treatment of the athlete as employee

Labour market controls and the impact of competition law

Player agents

The law and policy relating to doping of athletes

The impact of intellectual property laws on sponsorship and promotion of sporting events

**LAWS3088****Animal Law (seminar)****Law**

**Credit points:** 8 **Teacher/Coordinator:** Ms Celeste Black **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Assessment:** 1x3000wd essay/research assignment (40%) and 1x5000wd take-home exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** LL B, UG Study Abroad Program.

This unit of study examines the ways in which the law defines and regulates the relationship between humans and animals. It introduces students to the key issues, debates and documents in this area whilst encouraging a critical examination of these sources. The unit begins with a discussion of the status of animals as property and the implications of this approach and then moves to providing an overview of the moral and ethical arguments supporting an animal protection position and the case for animal rights. The focus of the unit is on the regulatory frameworks which apply to interactions between humans and animals, both domesticated and wild. The following topics will be considered: animal welfare legislation and its enforcement; issues of standing; the role of agricultural codes of practice; wildlife conservation; international law issues including whaling and free trade constraints on improved standards for animal welfare; trade in endangered species and the role of zoos; the use of animals in research (including the responsibilities of institutions and animal ethics committees); regulation of companion animals; and current issues in animal law, such as live export.

**LAWS3089****Theories of Law (seminar)****Law**

**Credit points:** 8 **Teacher/Coordinator:** Dr Kevin Walton **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Assessment:** 1x in-class test (30%), 1x 4000w essay (50%) and class-participation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Completion of this unit satisfies the Jurisprudence/Part 2 requirement of the LLB.*

**Associated degrees:** LL B, UG Study Abroad Program.

The unit considers a single question: what is law? It explores prominent responses by both philosophers and sociologists to the problem of how law is best understood. Among the notions to which these

responses refer (and on which the unit might focus) are the following: power, authority, rules, morality, communication, rationality, adjudication, solidarity, patriarchy, race, plurality and legality.

### LAWS3090

#### Public International Economic Law (sem)

##### Law

**Credit points:** 8 **Teacher/Coordinator:** Dr Brett Williams **Session:** Semester 1 **Classes:** 2x2hr seminars/wk **Assessment:** 1x essay (40%), 1x exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: (For students going on to do a University of Sydney LLM, students who have done this course in 2009 may enrol in LAWS6249 World Trade Organization II without having to complete the normal pre-requisite unit, LAWS6063 World Trade Organization Law II)*

**Associated degrees:** LL B, UG Study Abroad Program.

This course is an introduction to the law of the World Trade Organization and may also cover an introduction to Bilateral Trade Agreements and Bilateral Investment Treaties.

The largest part of the course deals with the law of the World Trade Organization and the context of economics and politics within which the law operates. This section of the course considers economic and political arguments for and against protection based on some basic economics of trade and economics of public choice. The course presents an overview of the history of the GATT-WTO system and a more detailed study of the dispute settlement system. The course analyzes some of the fundamental rules of the General Agreement on Tariffs and Trade ('GATT'): rules on customs duties, national treatment, non-tariff barriers, the MFN rule on non-discrimination and an introduction to the rules on subsidies. The course then studies the framework of rules under the General Agreement on Trade in Services ('GATS') and the Agreement on Trade-Related Aspects of Intellectual Property ('TRIPS').

The rest of the course is selected from three areas:

- Bilateral Investment Treaties;
- Bilateral Trade Treaties; and
- selected further topics of World Trade Organization law drawn from five areas: the GATT exceptions for restrictions for health, environmental, technical regulations and quarantine reasons; the GATT escape clauses providing for Safeguard measures, Anti-dumping Duties and Countervailing Duties; further consideration of the MFN rule by considering the exception for free trade areas and customs unions; further consideration of the GATS by considering at least one specific service sector, and further consideration of the TRIPS by considering the extent of some exceptions.

### LAWS3092

#### International Commercial Arbitration sem

##### Law

**Credit points:** 8 **Teacher/Coordinator:** Adjunct Professor Rashda Rana **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Assessment:** 2000 word assessment (40%); 2 hour limited open book exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** LL B, UG Study Abroad Program.

This unit of study aims to introduce students to the fundamentals of international commercial arbitration. The course covers the entire process of international arbitration: the significance of international commercial arbitration in international dispute resolution; the importance of a well drafted arbitration agreement; all procedural aspects and legal issues arising during cross border arbitrations; arbitral awards and the enforcement of arbitral awards around the world through the New York Convention 1958.

The unit will also cover the role and significance of specialised forms of international arbitrations and organisations involved in administering international arbitrations, such as maritime arbitrations, World Trade Organisation (Trade Law/Free Trade Agreement disputes), International Chamber of Commerce (large institution involved in administering international commercial arbitrations), Investor-State arbitrations (Bilateral Investment Treaties), sports arbitrations and Mediation in an international setting.

### LAWS3093

#### Jessup International Law Moot

##### Law

**Credit points:** 6 **Teacher/Coordinator:** Dr Timothy Stephens **Session:** S2 Late 1b **Prerequisites:** LAWS2005 or LAWS1018 **Prohibitions:** LAWS3035 **Assessment:** team participation, memorial writing & mooting and team participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Enrolment in this unit of study is by special application.*

**Associated degrees:** LL B.

This unit of study is based on the Jessup International Law Moot Competition conducted annually among law schools throughout the world. Students in the unit work as a team preparing written memorials on a problem of current interest in international law. Mooting usually takes place over four days at the Australian Regional Rounds held in Canberra during February. Assessment is based on a short paper dealing with an issue in the moot problem, memorial writing, mooting and team participation. Previous problems have dealt with the law of the sea, Antarctica, international environmental law and trade law, though always emphasizing basic principles of public international law. Enrolment in this unit will be by competitive selection in accordance with the rules of the competition. The course requires students to consult individually with other team members and the lecturer with no formal classes scheduled.

### LAWS3101

#### Banking and Financial Instruments

##### Law

**Credit points:** 8 **Teacher/Coordinator:** Assoc Prof Roger Magnusson **Session:** Semester 1, Summer Early **Classes:** 2x2hr seminars/wk **Assessment:** 1x1500wd compulsory assignment (35%), 1x3500wd optional essay (35%) and 1x open book exam (30 or 65%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** LL B, UG Study Abroad Program, UG Summer/Winter School.

This unit aims to provide students with: 1. An introduction to the legal regulation and supervision of banks and other Authorised Deposit-taking Institutions (ADIs); 2. An understanding of the legal basis of the relationship between banks, ADIs and their customers, and an overview of the more common rights and duties which adhere to the banker/customer relationship; 3. An introduction to negotiable instruments; 4. An introduction to some of the legal principles regulating debt finance. The unit focuses principally (but not exclusively) on commercial banking, rather than issues relating to consumer debt. While the unit does not consider insolvency in any detail, a couple of insolvency issues will be mentioned. The aims of the course above indicate the broad themes to be covered. Specific topics are as follows: (i) Legal regulation and supervision of ADIs (banks and NBFIs); (ii) Cheques; (iii) Appropriation, Combination and Set-Off; (iv) Loans & Debt Security: An Introduction to Guarantees; (v) Secured Debt: Fixed and Floating Charges; (vi) Duties and Liabilities of Bankers & ADIs; (vii) Recent Developments in the Law of Secured Debt; (viii) Bills of Exchange).

### LAWS3108

#### Corporate and Securities Regulation(Sem)

##### Law

**Credit points:** 8 **Teacher/Coordinator:** Freehills staff **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS2003 **Assessment:** 1x3hr exam (90%) and class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** LL B, UG Study Abroad Program.

This unit covers the key legal framework within which a corporate lawyer operates - the securing (and resisting) of corporate control and raising money in the equity capital markets. Takeovers, schemes of arrangement, buy-backs and capital reductions will be discussed from a technical, practical and tactical viewpoint. Is there still scope for poison pills in the era of the Takeovers Panel - and where does a

target cross the line in the search for white knights? Do schemes of arrangement exploit - or reward - minority shareholders? How has the rise of arbitrageurs and institutional shareholders affected the corporate playing field? The array of fundraising measures available to public companies, including initial public offerings, hybrids and raisings from an existing shareholder base, will be addressed. When is a prospectus required and how do companies manage to raise large sums of money without one? Students will be encouraged to think strategically in applying the legal principles to current topical transactions.

### LAWS3111

#### Philosophy of Law (Seminar)

##### Law

**Credit points:** 8 **Teacher/Coordinator:** Prof Wojciech Sadurski **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Assessment:** class participation (20%), 1x short class presentation supported by a 2000wd essay or written notes (30%) and 1x take-home exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note:* Completion of this unit satisfies the Jurisprudence/Part 2 requirement of the LLB.

**Associated degrees:** LL B, UG Study Abroad Program.

This unit of study will introduce students to the fundamental notions of jurisprudence understood as a theory about the aims, functions and values of law and legal systems. It will aim to provide students with the critical understanding of the central issues of philosophy of law understood as a general, abstract, normative reflection on law as such rather than an examination of a concrete, specific legal system, but the purpose will be to provide students with the conceptual means allowing them to conduct a critical scrutiny of particular legal systems and legal rules with which they are familiar. The course will have four parts. In the first part, the general notions of legal legitimacy, legal validity, obligation to obey the law, and relationship between law and politics will be discussed. The second part will focus on philosophy of human rights, with the special emphasis on the notion and functions of rights in a legal and political discourse, the justifications and limits of liberty-rights, and the understanding of equality rights, as well as relationship between the idea of rights and the idea of constitutionalism. The third part will consider the concept of justice - understood often as the principle value which legal systems should serve - and discuss some of the leading contemporary conceptions of justice. Finally, the fourth part will select one specific and controversial area of law - the law of freedom of expression - and attempt to apply the more general insights discussed in the earlier parts of the course to this particular issue. Throughout the course, the emphasis will be on a discussion and the appreciation of the diversity of approaches and theories.

### LAWS3327

#### Legal Geographies

##### Law

**Credit points:** 8 **Teacher/Coordinator:** Dr Fleur Johns **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Prerequisites:** (LAWS1004 or LAWS3000 or LAWS3003), LAWS2002 and LAWS2007 **Assessment:** 1x1500wd review/commentary (30%), 1x2500wd take-home exam (60%) and 1x in-class presentation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note:* Completion of this unit satisfies the Jurisprudence/Part 2 requirement of the LLB.

**Associated degrees:** LL B, UG Study Abroad Program.

This unit of study will introduce students to the work of legal scholars concerned with the spatial dimensions of law and law's ordering of space, in part through interdisciplinary engagement with geography, social theory, and urban studies. Drawing critically upon this scholarship, students will explore how Australian laws demarcate, in spatial terms, the nation state, the city, the public sphere and the home, as well as various spaces of expertise and specialised practice (such as the hospital, the court, and the university). Conversely, students will consider how spatial frames of thought inform the regulation of property ownership, tenancy, voting and political participation, vagrancy/homelessness, migration and other social and

political phenomena. The questions to which this unit will repeatedly return are: (a) how is law implicated in our understandings and experiences of space; and (b) how do these understandings, in turn, inform the development and interpretation of our laws?

### LNGS1001

#### Structure of Language

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof B Foley **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prohibitions:** LNGS1004, LNGS1005 **Assessment:** Ten short problem based assignments, each about 150 words, for a total of 1500 words; one 1 hour mid-term exam (equivalent to 1000 words); one 2 hour formal final examination (equivalent to 2000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program.

This unit is a comparative look at the general structure of human language. It looks at the sounds of human language: how the speech organs make them and their variety, in particular, a detailed description of English consonants and vowels and how to transcribe them. It investigates what is a possible word in English and other languages. It looks at the way speakers put words together to form sentences and how and why is English different from Japanese or even Irish.

##### Textbooks

Fromkin, V., Rodman, R., Hyams, N., Collins, P., Collins, P., Amberber, M. 2005. 'An Introduction to Language'. Fifth edition. Sydney: Harcourt.

### LNGS1002

#### Language and Social Context

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr T Borowsky **Session:** Semester 2 **Classes:** Two 1hour lectures and one 1hour tutorial per week **Assessment:** Five 250 word short assignments (totalling 1500 words), one 1 hour midterm exam (1000 words) and one 2 hour final exam (2000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program.

This unit introduces the study of the interrelationship between language and society. It is concerned with phenomena of language change and how that leads to varieties in a language. How are these varieties linked to social differences? What distinguishes male speech from female speech or what are the linguistic styles of different social classes or ethnic groups? What is slang, or jargon, and what distinguishes a casual conversation from an interview?

##### Textbooks

Mesthrie, R., Swann, J., Deumert, A., Leap, W. 2000. 'Introducing Sociolinguistics'. Edinburgh University Press.

### LNGS1801

#### Linguistics Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note:* Department permission required for enrolment.

**Associated degrees:** B A, B Int S.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Linguistics at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Linguistics.

### LNGS2602

#### Syntax

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr J Simpson **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour workshop per week **Prerequisites:** LNGS1001 or LNGS1005 or LNGS1004 **Prohibitions:** LNGS2002 **Assessment:** Five problem sets, totalling equivalent 2500 words and one 2 hour examination - consisting of problems (equivalent 2000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Syntax deals with how we combine words into phrases, clauses and sentences and how we understand these combinations. Syntax is almost purely internal to language and plays a major role in organising the language system. We look at syntactic concepts in English, languages of Europe and Asia, and those of small traditional communities around the world. Using a problem solving approach, we develop explicit models to describe syntactic phenomena that allow generalisations leading to testable predictions about possible structures.

## LNGS2604

### Discourse Analysis Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof J R Martin **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour workshop per week **Prerequisites:** One of ENGL1000, ENGL1005, ENGL2619, ENGL2647, LNGS1001, LNGS1002, LNGS1003, LNGS1004, LNGS1005, LNGS2601, LNGS2602, LNGS2603, MECO1001, MECO1003 **Prohibitions:** LNGS2004 **Assessment:** Four 500 word term assignments and one 2500 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit of study provides an introduction to discourse analysis, which is concerned with the way in which texts are organised in relation to their social context. In linguistics, the term 'discourse' covers both a) the organisation of linguistic units above the sentence level (cohesion), and b) language in use or context (register and genre). The course will include analysis of texts combining language with image, from the perspective of critical discourse analysis.

#### Textbooks

J R Martin & David Rose, Working with Discourse, 2nd edition.

## LNGS2612

### Language Variation and Change Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr T Borowsky **Session:** Semester 1 **Classes:** 2 1hr lectures **Prerequisites:** Two of LNGS1001, LNGS1002, LNGS1003, LNGS1004 and LNGS1005 **Prohibitions:** LNGS2026, LNGS2006 **Assessment:** 1 group research project 2000 words and one research project 3000 words plus a presentation 1000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Arts, UG Study Abroad Program.

Human language varies with the social context, and on all linguistic levels (pronunciation, lexis, syntax, discourse structures etc). It does not only show variation in context but also across time. Again, all linguistic levels are affected. You will learn about variation analysis, the many factors that impact upon variation; the forms of variation; how to conduct sociolinguistic variation studies; the mechanisms of language change; constraints on change; and the way in which change is embedded in the larger linguistic system.

## LNGS2617

### Cross-Cultural Communication Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr J Simpson **Session:** Semester 2 **Classes:** One 2 hour seminar per week **Prerequisites:** Either (two of LNGS1001, LNGS1002, LNGS1003, LNGS1004, LNGS1005) or (Credit average in 12 Senior credit points from one of the foreign languages (French, Japanese, Chinese, Italian, Arabic, Spanish, German, Latin, Modern Greek, Ancient Greek, Indonesian, Malay, Korean, Thai, Yiddish, Hebrew, Syriac, Aramaic, Sanskrit)) **Prohibitions:** LNGS3903, LNGS3923 **Assessment:** Assignments totalling 5000 words, including a group research project. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

In today's globalized and multicultural societies, cross-cultural communication is common enough. Even so, it continues to be a challenge, both for people who engage in cross-cultural communication on a daily basis, and for researchers trying to describe and understand it. In this unit of study we will consider a variety of discourse-analytic approaches to studying cross-cultural communication, including conversation analysis, speech act theory, interactional sociolinguistics, the ethnography of communication, and critical discourse analysis. In our analyses of actual samples of cross-cultural communication we will pay particular attention to the social positioning of participants in an interaction, and the ways how social relationships (particularly of power and intimacy) between participants are reflected in their linguistic practices. The course will end with exploring applied perspectives, particularly on cross-cultural communication in educational, courtroom and workplace interactions.

## LNGS2620

### Phonetics Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr T Borowsky **Session:** Semester 1 **Classes:** Two 1hour lectures and one 1hour tutorial/lab per week. **Prerequisites:** Either (two of LNGS1001, LNGS1002, LNGS1003, LNGS1004, LNGS1005) or (Credit average in 12 Senior credit points from one of the foreign languages (French, Japanese, Chinese, Italian, Arabic, Spanish, German, Latin, Modern Greek, Ancient Greek, Indonesian, Malay, Korean, Thai, Yiddish, Hebrew, Syriac, Aramaic, Sanskrit)) **Assessment:** One 500 word assessment on acoustic analysis. One 500 word assessment on transcription tasks. One 2500 word final exam. One 1000 word quiz. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit will provide an introduction to the study of articulatory, acoustic and perceptual phonetics. Approaching the study of phonetics from both the theoretical and practical sides students will learn about the anatomical and physiological bases of the production of speech sounds. They will learn to produce and discern a wide range of the sounds observed in human languages and have practise in transcribing these sounds as well as applying these skills to the wider field of transcription, for example song texts/musical transcription. An introduction to the physical (acoustic) properties of speech sounds provides the basis for an understanding of what acoustic factors matter in speech perception.

## LNGS2621

### Phonology Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr T Borowsky **Session:** Semester 2 **Classes:** Two 1hour and one 1hour tutorial per week. **Prerequisites:** Either (two of LNGS1001, LNGS1002, LNGS1003, LNGS1004, LNGS1005) or (Credit average in 12 Senior credit points from one of the foreign languages (French, Japanese, Chinese, Italian, Arabic, Spanish, German, Latin, Modern Greek, Ancient Greek, Indonesian, Malay, Korean, Thai, Yiddish, Hebrew, Syriac, Aramaic, Sanskrit)) **Assessment:** One 2000 word assessment : 5 problem sets: phonological analysis exercises. One 2500 word final exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This course will provide a foundation in the principles and methods of linguistic argumentation particularly with respect to phonological analysis and the interaction of phonetics and phonology. Development of theories from SPE through to Optimality Theory. Topics include; basic phonological analysis; distinctive features, underlying representations, abstractness, rules and constraints, the role and function of prosodic structure: the prosodic hierarchy syllables, tone and stress; markedness.

## LNGS2622

### The Syntax of English



**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr J Simpson **Session:** Semester 1  
**Classes:** 2 x 1hr lectures per week. 1 x 1hr tutorial per week. **Prerequisites:** LNGS1001, LNGS2602 **Assessment:** One 2hr/2000 wd final exam. Five 500 wd problems analysing syntactic constructions in English. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

English is a language in which the principles of syntax, how words are combined into larger units, play the major role in the organization of its grammar. This course will look at the basic syntactic organization of English and some formal frameworks that have been proposed to describe it. Topics covered include; word classes and phrase structure; subcategorization; X-bar syntax; auxiliaries, inflection and the structure of the clause; complementation and embedding. Using a problem solving approach to linguistic data, we will develop explicit models to describe syntactic phenomena that allow us to make generalizations that lead the testable predictions about possible range of syntactic structures in English.

**LNGS2805****Linguistics Exchange Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Linguistics at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Linguistics.

**LNGS2806****Linguistics Exchange Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Linguistics at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Linguistics.

**LNGS2809****Linguistics Exchange Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Linguistics at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Linguistics.

**LNGS2810****Linguistics Exchange Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Linguistics at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Linguistics.

**LNGS2811****Linguistics Exchange Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Linguistics at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Linguistics.

**LNGS2812****Linguistics Exchange Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Linguistics at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Linguistics.

**LNGS3601****Semantics and Pragmatics Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr N Riemer **Session:** Semester 1  
**Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** one of LING2602 [Syntax], LING2603 [Functional Grammar], ENGL2619 [Semiotics of Language] and ENGL2653 [Varieties of English Grammar]  
**Prohibitions:** LING3026, LING3006 **Assessment:** Two 2500 word assignments and one 1000 word class presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Compulsory for Honours students; other students may select as an option. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Semantics deals with the meaning of words, phrases, sentences and texts, and the relations between those meanings. Pragmatics deals with how speakers use context and shared information to convey information additional to the semantic content of what they say, and with how hearers make inferences on the basis of this information. Our goal is to explore the diversity of ways in which meaning can be expressed linguistically in different languages, as well as of what constitutes evidence for meaning.

**LNGS3605****Structure and Use of a Language Arts**

**Credit points:** 6 **Teacher/Coordinator:** Prof W Foley **Session:** Semester 2  
**Classes:** 2hr seminar **Prerequisites:** LING2601 [or LING2001] and one of LING2602, LING2002, LING2003, LING2603 **Prohibitions:** LING3904  
**Assessment:** 3,000 word essay [this may be staged to include abstract preparation, and to incorporate revision on the basis of feedback from this and from the tutorial paper which may include peer feedback], tutorial paper (equiv. 1,000 words), 2 assignments each ca. 1,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, Dip Arts, UG Study Abroad Program.

A language other than English is chosen for analysis (phonology, morphology, syntax, semantics and discourse), and for description of

the ways it is used (ethnography of speaking including speech acts, speech events, registers and genres). It is examined in its areal, genetic, historical, social and typological context. We also examine sources of data and their reliability, and the way findings are presented (reference and teaching grammars and linguistic papers). Pidgins and Creoles will be discussed in 2006.

### LNGS3690

#### Issues in Theoretical Linguistics

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr T Borowsky, Dr J Simpson **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week **Prerequisites:** Credit average in 18 senior credit points of Linguistics. The units must include LNGS2601 [or LNGS2001], and at least one of LNGS2602, LNGS2002, LNGS2003 and LNGS2603 **Prohibitions:** LNGS3914 **Assessment:** One 4000 word paper [this may be staged to include abstract preparation and bibliographic work, and to incorporate revision on the basis of feedback from this and from the tutorial paper which may include peer feedback] and one 2000 word tutorial paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit introduces students to the methods of linguistic argument through careful study of a current debate in theoretical linguistics. Students learn to identify and assess the underlying assumptions, to work out what evidence would confirm or disconfirm the hypotheses made by different parties in the debate, and to draw conclusions as to which hypotheses are more likely to be useful or correct. They also learn to situate the debate within the wider contexts of linguistic theories and language description. Students are asked to contact staff members to discuss potential topics.

### LNGS3692

#### Media Discourse

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof J R Martin **Session:** Semester 2 **Classes:** One 2 hour lecture per week **Prerequisites:** Two of LNGS2601, LNGS2602, LNGS2603, LNGS2604, LNGS2001, LNGS2002, LNGS2003, LNGS2004, ENGL1005, ENGL2619, ENGL2647, ENGL2019, ENGL2047, MECO1001, MECO1003 **Prohibitions:** LNGS3912 **Assessment:** Two 2500 word assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

"Sexy, healthy and 100% Australian-owned!" This unit examines discourse-analytic approaches to media communication. The discourse of advertising and gender discourses in the media will form a special focus of the course. We explore the politics of media discourses, the ways in which social identities are constructed in the media, differences between communication in various media (print, radio, TV, the internet), the rhetoric of persuasion, and the discourses of popular culture. The framework derives from functional linguistics and critical discourse analysis, as well as cultural studies.

*Textbooks*

R Iedema et al. Media literacy. Sydney: AMES.

### LNGS3696

#### Bilingualism

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof W Foley **Session:** Semester 1 **Classes:** 2 1hr lectures **Prerequisites:** Credit average in 18 Senior credit points which may be comprised of Linguistics units and foreign language units (French, Japanese, Chinese, Italian, Arabic, Spanish, German, Latin, Modern Greek, Ancient Greek, Indonesian, Malay, Korean, Thai, Yiddish, Hebrew, Syriac, Aramaic, Sanskrit, Anglo-Saxon, Old Norse). Other language units require department permission. **Prohibitions:** LNGS3929 **Assessment:** 3 assignments at 2,000 words each. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, Dip Arts, UG Study Abroad Program.

The majority of the world's population are bi- or multilingual. Even so, monolingualism often gets treated as the norm. This unit explores individual and societal aspects of bilingualism, which will be defined broadly as the use of two or more languages on a regular basis.

### LNGS3699

#### Linguistics Research Issues

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof B Foley **Session:** Semester 1, Semester 2 **Classes:** One 2hour seminar per week **Prerequisites:** Credit average in 18 senior credit points in linguistics, including at least 2 of LNGS2601, LNGS2001, LNGS2602, LNGS2002, LNGS2603, LNGS2003, LNGS2604, LNGS2004. **Prohibitions:** LNGS3940 **Assessment:** One 6000 word research paper which will be done in stages and reported on through each stage and presented formally in seminar **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

This seminar aims to prepare students for research in linguistics through critical reading and discussion of current issues and approaches in research and criticism, focussing on a particular subfield of linguistics.

### LNGS4011

#### Linguistics Honours A

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr J Simpson **Session:** Semester 1, Semester 2 **Classes:** 2 hour seminar per option per week **Prerequisites:** Credit average in 48 senior credits points, including at least three of the five units LNGS3601, LNGS2602, LNGS2604, LNGS2620, LNGS2621. ( If the student has not done all five units as part of the undergraduate degree, the other two must be completed by the end of the Honours year as part of the coursework component ) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Linguistics IV has two components: coursework, comprised of three units of study and a thesis. Two units of study will be determined in consultation with the department and the third is the compulsory Honours seminar (currently LNGS3699). The weighting of the thesis and coursework components is three units of coursework (50 %), thesis (50%).

Students considering enrolling in Linguistics IV honours are encouraged to consult with the Chair of Department as early as possible, preferably towards the end of their third year.

### LNGS4012

#### Linguistics Honours B

##### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** LNGS4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

See LNGS4011

### LNGS4013

#### Linguistics Honours C

##### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** LNGS4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

See LNGS4011

### LNGS4014

#### Linguistics Honours D

**Arts**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** LNGS4013  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

See LNGS4011

**LWSC2002**
**Sustainable Land and Water Management  
 Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Dr Dhia Al Bakri (Coordinator), Dr Willem Vervoort **Session:** Semester 2 **Classes:** Lec 2hr/wk; practical: 3hr/wk (for 8 weeks); field work: 25hr/wk (for 1 wk only) **Assumed knowledge:** AFNR1001, AFNR1002 **Assessment:** One 2 hr exam (50%), laboratory and practical reports (20%), field trip report (30%). **Practical field work:** 1 week field trip **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc Agr, UG Study Abroad Program.

This unit introduces students to the principles and practices of sustainable development and integrated catchment management. Students' appreciation of the principles will be facilitated through theoretical and practical case studies focusing on problems and issues facing land and water users and managers in Australia. This unit builds on knowledge gained in AFNR1001, AFNR1002, and SOIL2001 and establishes the foundation for LWSC3005 (Environmental Water Quality) and GEOG2303 (Groundwater Hydrology). The unit provides one of the essential building blocks for developing the conceptual framework for, and linking the other units to the central themes of, the Bachelor of Land and Water Science. The unit consists of two parts. The first part will involve a series of lectures and practical exercises. The second part of the unit is a 5-day field trip traveling from Sydney to Orange and through the Lachlan valley to the Jemalong irrigation district. During the fieldtrip, students will examine the interactions between the socio-economic and biophysical systems of the landscape, undertake data gathering and perform practical exercises in relation to a wide range of land and water issues and problems. After completion of this unit, students should be able to:

Explain the principles underlying the concepts of sustainable development and ICM

Identify main land and water degradation issues in Australia and define relevant causes, effects and management options;

Describe the relevance of the LG model to sustainable catchment and resource management

Develop an understanding of the link between water quantity and water quality and its implications for management.

Employ a range of basic computational techniques which will allow them to explore the link between water quality and quantity in more detail.

Develop an understanding of flow variability, its causes and assessment and its relation to water quality

Assess landscape-land use interaction in relation to farm productivity, water quality and land management.

**Textbooks**

Al Bakri D 2002. Geoscience and sustainable catchment and resource management: The Ben Chifley Catchment case study, Environmental Geology, 42, 588-596.

Al Bakri D 2001. Towards developing a geoscientific approach to sustainable agricultural and rural development, Journal of Environmental Geology, 40 (4-5), 543-556.

Heathcote IW 1998. Integrated watershed management, principles and practices, John Wiley and Sons, New York.

**LWSC3005**
**Environmental Water Quality  
 Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Dr D Al Bakri, Professor I Kennedy, Dr R Caldwell **Session:** Semester 1 **Classes:** 2 lec/wk; 3hr lab for 7 weeks; 25hr fieldwork (in 1 wk only) **Prerequisites:** LWSC2002 or GEOG2321 or AGCH2003 or 6 credit points of intermediate Chemistry **Assessment:** One 2 hr exam (40%), laboratory and practical reports (35%), field trip professional

report (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B An Vet Bio Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc Agr, UG Study Abroad Program.

The unit of study will provide students with an in-depth understanding of the main water quality problems in Australia, related limnological issues and the underlying causes and processes. The unit builds on knowledge gained in LWSC2002, AGCH2003 and GEOG2321. The study program commences with a field trip module to the productive Macquarie and Namoi Valleys, where irrigated agriculture has been developed. Environmental impacts of agricultural enterprises such as irrigation farming and human settlements on water environments will be assessed. Field observations on pH, nutrient level, salt content, pesticide contamination, and microbial content in aquatic environments will be made with samples returned for more detailed laboratory analysis at the University. The unit will also investigate sources and dynamic of pollutants in receiving water, sediment-nutrient interaction and pollution control strategies. The unit will cover aspects of freshwater ecology with particular emphasis on wetlands ecosystem, riparian vegetation, phytoplankton communities and cyanobacteria.

**Textbooks**

Wetzel R G 2001. Limnology: Lake and reservoir ecosystems, 3rd edn, Academic Press London.

**LWSC3006**
**Landscape Hydrology and Management  
 Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Dr Willem Vervoort **Session:** Semester 1 **Classes:** (2 lec, 0.6 on-line 2.4 prac )hr/wk **Prerequisites:** LWSC2002 or GEOG2321 **Corequisites:** LWSC3004 **Assessment:** On-line activities 10%; oral presentation 10%; practical reports 50%; 2 hr exam 30%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B L W Sc, B Res Ec, B Sc, UG Study Abroad Program.

This unit of study is designed to allow students to examine catchment-scale hydrological modeling, groundwater hydrogeochemistry as an investigative tool for water quality and policy making at the catchment level.

It is a core unit for students in BLWSc and builds on the theoretical knowledge gained in LWSC3004, GEOG2321 and LWSC2002. In the first part, students will investigate several ways to simulate catchment hydrological processes and review the possibilities and impossibilities of using simulation models for catchment management. In the second part students will apply hydrogeochemical techniques to investigate groundwater quality and review recent developments in catchment-based management strategies to control salinity and pollution. At the end of this unit, students will be able to articulate advantages and disadvantages of using simulation models for catchment management, justify the choice of a simulation model for a particular catchment management problem, identify issues in relation to uncertainty, apply hydrogeochemical investigation techniques for groundwater and describe innovative strategies for salinity and pollution control. The students will gain research and inquiry skills through research based group projects, information literacy and communication skills through on-line discussion postings, laboratory reports and a presentation and personal and intellectual autonomy through working in groups.

**LWSC4003**
**Landscape Hydrology and Management  
 Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Dr Willem Vervoort (Coordinator), Dr Dhia Al Bakri **Session:** Semester 1 **Classes:** (2x1hour lecture and 1x2-3hour practical/fieldwork)/wk **Prerequisites:** GEOG2321 or LWSC3004 **Assessment:** On-line discussion postings (10%) 2 x practical reports (50%), presentation (10%), 2hr exam (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hort Sc, B L W Sc, B Sc Agr.

This unit of study is designed to give students insight into the use of hydrological modelling in surface and groundwater management, river restoration and policy making at the catchment level. The unit builds

on the theoretical knowledge gained in LWSC3004 and GEOG2321. In the first part, the unit uses a problem based learning approach to explore several ways to simulate catchment-scale hydrological processes and the translation of model outcomes into management. In particular, the unit tries to stimulate discussion on the possibilities and impossibilities of using hydrological models to assess the impact of management and policies in a catchment. The second part of the unit will focus on discussing and using hydro-geochemical methods to explain processes and chemical reactions controlling groundwater quality and salinity at the catchment level. The students will complete a research-based project including field and laboratory investigations in the South Creek catchment, western Sydney. By the end of this unit the students should be able to apply catchment-scale hydrological simulation models to predict management and policy impact, and identify appropriate technological solutions and management practices to control water quality problems and remediate stressed surface and groundwater resources.

*Textbooks*

Beven, K.J. Rainfall-Runoff modeling, The Primer, John Wiley and Sons, Chichester, 2001  
Kumagai, M. and Warwick, W. F. 2003. Freshwater management: Global versus local perspectives, Springer-Verlag, Tokyo.

# University undergraduate units of study – M

## MARS2551

### Marine Science Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## MARS2552

### Marine Science Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## MARS2553

### Marine Science Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## MARS3551

### Marine Science Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Marine Science).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## MARS3552

### Marine Science Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## MARS3553

### Marine Science Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## MARS3554

### Marine Science Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## MARS4011

### Marine Sciences Honours A Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B S T (Hons), B Sc (Hons), B Sc (Marine Science)(Hons).

Students enrolled in the Honours programs study various advanced aspects of Marine Sciences. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

## MARS4012

### Marine Sciences Honours B Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MARS4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S T (Hons), B Sc (Hons), B Sc (Marine Science)(Hons).

See MARS4011

## MARS4013

### Marine Sciences Honours C Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MARS4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S T (Hons), B Sc (Hons), B Sc (Marine Science)(Hons).



See MARS4011

### MARS4014 Marine Sciences Honours D Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MARS4013  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S T (Hons), B Sc (Hons), B Sc (Marine Science)(Hons).

See MARS4011

### MATH1001 Differential Calculus Science

**Credit points:** 3 **Session:** Semester 1, Summer Main **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1011, MATH1901, MATH1906, MATH1111 **Assumed knowledge:** HSC Mathematics Extension 1 **Assessment:** One 1.5 hour examination, assignments and quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School.

MATH1001 is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering.

This unit of study looks at complex numbers, functions of a single variable, limits and continuity, vector functions and functions of two variables. Differential calculus is extended to functions of two variables. Taylor's theorem as a higher order mean value theorem.

*Textbooks*

As set out in the Junior Mathematics Handbook.

### MATH1002 Linear Algebra Science

**Credit points:** 3 **Session:** Semester 1, Summer Main **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1902, MATH1012, MATH1014 **Assumed knowledge:** HSC Mathematics Extension 1 **Assessment:** One 1.5 hour examination, assignments and quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School.

MATH1002 is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering.

This unit of study introduces vectors and vector algebra, linear algebra including solutions of linear systems, matrices, determinants, eigenvalues and eigenvectors.

*Textbooks*

As set out in the Junior Mathematics Handbook

### MATH1003 Integral Calculus and Modelling Science

**Credit points:** 3 **Session:** Semester 2, Summer Main **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1013, MATH1903, MATH1907 **Assumed knowledge:** HSC Mathematics Extension 2 or MATH1001 or MATH1111 **Assessment:** One 1.5 hour examination, assignments and quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School.

MATH1003 is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as

well as a Junior level requirement in the Faculty of Engineering. This unit of study first develops the idea of the definite integral from Riemann sums, leading to the Fundamental Theorem of Calculus. Various techniques of integration are considered, such as integration by parts. The second part is an introduction to the use of first and second order differential equations to model a variety of scientific phenomena.

*Textbooks*

As set out in the Junior Mathematics Handbook

### MATH1004 Discrete Mathematics Science

**Credit points:** 3 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1904, MATH2011 **Assumed knowledge:** HSC Mathematics Extension 1 **Assessment:** One 1.5 hour examination, assignments and quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School.

MATH1004 is designed to provide a thorough preparation for further study in Mathematics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering.

This unit provides an introduction to fundamental aspects of discrete mathematics, which deals with 'things that come in chunks that can be counted'. It focuses on the enumeration of a set of numbers, viz. Catalan numbers. Topics include sets and functions, counting principles, Boolean expressions, mathematical induction, generating functions and linear recurrence relations, graphs and trees.

*Textbooks*

As set out in the Junior Mathematics Handbook

### MATH1005 Statistics Science

**Credit points:** 3 **Session:** Semester 2, Summer Main **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1015, MATH1905, STAT1021, STAT1022, ECMT1010 **Assumed knowledge:** HSC Mathematics **Assessment:** One 1.5 hour examination, assignments and quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Pharm, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School.

MATH1005 is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering.

This unit offers a comprehensive introduction to data analysis, probability, sampling, and inference including t-tests, confidence intervals and chi-squared goodness of fit tests.

*Textbooks*

As set out in the Junior Mathematics Handbook

### MATH1011 Life Sciences Calculus Science

**Credit points:** 3 **Session:** Semester 1, Summer Main **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1111, MATH1001, MATH1901, MATH1906, BIOM1003 **Assumed knowledge:** HSC Mathematics **Assessment:** One 1.5 hour examination, assignments and quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B An Vet Bio Sc, B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B Com, B Ed, B Sc (Psych), B Hort Sc, B L W Sc, B Med Sc, B Pharm, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit is designed for students of the life sciences who do not intend to undertake higher year mathematics and statistics. It includes the fitting of data to various functions and demonstrates the use of calculus

in optimisation problems. It extends differential calculus to functions of two variables and develops integral calculus, including the definite integral and multiple integrals.

#### Textbooks

As set out in the Junior Mathematics Handbook

### MATH1013

#### Differential and Difference Equations Science

**Credit points:** 3 **Session:** Semester 2, Summer Main **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1003, MATH1903, MATH1907 **Assumed knowledge:** HSC Mathematics or MATH1111 **Assessment:** One 1.5 hour examination, assignments and quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B Com, B Ed, B Sc (Psych), B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School.

MATH1013 is designed for students of the life sciences who do not intend to undertake higher year mathematics and statistics.

This unit of study looks at the solution of equations by bisection and iteration, first and second order difference equations where chaos is met, and examples of modelling using simple first and second order differential equations.

#### Textbooks

As set out in the Junior Mathematics Handbook

### MATH1014

#### Introduction to Linear Algebra Science

**Credit points:** 3 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1012, MATH1002, MATH1902 **Assumed knowledge:** HSC Mathematics or MATH1111 **Assessment:** One 1.5 hour exam, assignments, quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B E, B Med Sc, B Sc, B Sc (Adv), M B, B S, B Sc (Bioinformatics), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School.

This unit is an introduction to Linear Algebra. Topics covered include vectors, systems of linear equations, matrices, eigenvalues and eigenvectors. Applications in life and technological sciences are emphasised.

#### Textbooks

Linear Algebra: A Modern Introduction, David Poole, Thompson Brook/Cole

### MATH1015

#### Biostatistics Science

**Credit points:** 3 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1005, MATH1905, STAT1021, STAT1022, ECMT1010, BIOM1003 **Assumed knowledge:** HSC Mathematics **Assessment:** One 1.5 hour examination, assignments and quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B An Vet Bio Sc, B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B Com, B Ed, B Sc (Psych), B Hort Sc, B L W Sc, B Med Sc, B Pharm, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

MATH1015 is designed to provide a thorough preparation in statistics for students in the Biological and Medical Sciences. It offers a comprehensive introduction to data analysis, probability and sampling, inference including t-tests, confidence intervals and chi-squared goodness of fit tests.

There are comprehensive details of this unit of study in the Junior Mathematics Handbook distributed at the time of enrolment.

#### Textbooks

As set out in the Junior Mathematics Handbook

### MATH1111

#### Introduction to Calculus Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and two 1 hour tutorials per week. **Prohibitions:** MATH1001, MATH1901, MATH1011, MATH1906 **Assumed knowledge:** At least Year 10 Mathematics

**Assessment:** One 2 hour exam, assignments, quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment. Note: Students who have previously studied calculus at any level are prohibited from enrolling in this unit. In particular, students with HSC Mathematics/Extension 1/Extension 2 (or equivalent) are prohibited.*

**Associated degrees:** B A, B Med Sc, B Sc, B Sc (Adv), M B, B S, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This unit is an introduction to the calculus of one and two variables. Topics covered include elementary functions, differentiation, basic integration techniques and partial derivatives. Applications in science and engineering are emphasised.

#### Textbooks

Calculus: Single and Multivariable. Hughes-Hallett, Gleason, McCallum, et al. Wiley

### MATH1551

#### Mathematics Exchange Science

**Credit points:** 3 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MATH1552

#### Mathematics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MATH1553

#### Mathematics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MATH1901

#### Differential Calculus (Advanced) Science

**Credit points:** 3 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** HSC Mathematics Extension 2. This requirement may be varied. Students with an interest in mathematics, but without HSC mathematics Extension 2, should consult the unit of study coordinator. **Prohibitions:** MATH1111, MATH1011, MATH1001, MATH1906 **Assumed knowledge:** HSC Mathematics Extension 2 **Assessment:** One 1.5 hour examination, assignments and quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program.

This unit is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. It parallels the normal unit MATH1001 but goes more deeply into the subject matter and requires more mathematical sophistication.

*Textbooks*

As set out in the Junior Mathematics Handbook

## MATH1902

### Linear Algebra (Advanced)

#### Science

**Credit points:** 3 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** HSC Mathematics Extension 2. This requirement may be varied. Students with an interest in mathematics, but without HSC mathematics Extension 2, should consult the unit of study coordinator. **Prohibitions:** MATH1002, MATH1012, MATH1014 **Assumed knowledge:** HSC Mathematics Extension 2 **Assessment:** One 1.5 hour examination, assignments and quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program.

This unit is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. It parallels the normal unit MATH1002 but goes more deeply into the subject matter and requires more mathematical sophistication.

*Textbooks*

As set out in the Junior Mathematics Handbook

## MATH1903

### Integral Calculus and Modelling Advanced

#### Science

**Credit points:** 3 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** HSC Mathematics Extension 2. This requirement may be varied. Students with an interest in mathematics, but without HSC mathematics Extension 2, should consult the unit of study coordinator. **Prohibitions:** MATH1003, MATH1013, MATH1907 **Assumed knowledge:** HSC Mathematics Extension 2 or Credit or better in MATH1001 or MATH1901 **Assessment:** One 1.5 hour examination, assignments and quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program.

MATH1903 is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering.

This unit of study parallels the normal unit MATH1003 but goes more deeply into the subject matter and requires more mathematical sophistication.

*Textbooks*

As set out in the Junior Mathematics Handbook

## MATH1905

### Statistics (Advanced)

#### Science

**Credit points:** 3 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** HSC Mathematics Extension 2. This requirement may be varied. Students with an interest in mathematics, but without HSC mathematics Extension 2, should consult the unit of study coordinator. **Prohibitions:** MATH1015, MATH1005, STAT1021, STAT1022, ECMT1010 **Assumed knowledge:** HSC Mathematics Extension 2 **Assessment:** One 1.5 hour examination, assignments and quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B E, B Ed, B Sc (Psych), B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science),

B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program.

This unit is designed to provide a thorough preparation for further study in mathematics and statistics. It is a core unit of study providing three of the twelve credit points required by the Faculty of Science as well as a Junior level requirement in the Faculty of Engineering. This Advanced level unit of study parallels the normal unit MATH1005 but goes more deeply into the subject matter and requires more mathematical sophistication.

*Textbooks*

As set out in the Junior Mathematics Handbook

## MATH1906

### Mathematics (Special Studies Program) A

#### Science

**Credit points:** 3 **Session:** Semester 1 **Classes:** Two 1 hour lectures, one 1 hour seminar and one 1 hour tutorial per week. **Prerequisites:** UAI of at least 98.5 and result in Band E4 HSC Mathematics Extension 2; by invitation **Prohibitions:** MATH1111, MATH1001, MATH1011, MATH1901 **Assessment:** One 1.5 hour exam, assignments, classwork. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Com, B E, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program.

This is an Advanced unit of study. Entry to Mathematics (Special Studies Program) A is restricted to students with a UAI of 98.5 and an excellent school record in Mathematics. Students will cover the material in MATH1901 Differential Calculus (Advanced). In addition there will be a selection of special topics, which are not available elsewhere in the Mathematics and Statistics program.

## MATH1907

### Mathematics (Special Studies Program) B

#### Science

**Credit points:** 3 **Session:** Semester 2 **Classes:** Two 1 hour lectures, one 1 hour seminar and one 1 hour tutorial per week. **Prerequisites:** Distinction in MATH1906; by invitation **Prohibitions:** MATH1003, MATH1013, MATH1903 **Assessment:** One 1.5 hour exam, assignments, classwork. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Com, B E, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program.

This is an Advanced unit of study. Entry to Mathematics (Special Studies Program) B is normally restricted to students with a Distinction in MATH1906. Students will cover the material in MATH1903 Integral Calculus and Modelling (Advanced). In addition there will be a selection of special topics, which are not available elsewhere in the Mathematics and Statistics program.

## MATH2061

### Linear Mathematics and Vector Calculus

#### Science

**Credit points:** 6 **Session:** Semester 1, Summer Main **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour practice class per week. **Prerequisites:** MATH (1111 or 1001 or 1901 or 1906) and MATH (1014 or 1002 or 1902) and MATH (1003 or 1903 or 1907) **Prohibitions:** MATH2001, MATH2901, MATH2002, MATH2902, MATH2961, MATH2067 **Assessment:** One 2 hour exam, assignments, quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B E, B Ed, B Sc (Psych), B Res Ec, B S T, B Sc, B Sc (Bioinformatics), UG Study Abroad Program, UG Summer/Winter School.

This unit starts with an investigation of linearity: linear functions, general principles relating to the solution sets of homogeneous and inhomogeneous linear equations (including differential equations), linear independence and the dimension of a linear space. The study of eigenvalues and eigenvectors, begun in junior level linear algebra, is extended and developed. Linear operators on two-dimensional real space are investigated, paying particular attention to the geometrical significance of eigenvalues and eigenvectors. The unit then moves on to topics from vector calculus, including vector-valued functions



(parametrised curves and surfaces; vector fields; div, grad and curl; gradient fields and potential functions), line integrals (arc length; work; path-independent integrals and conservative fields; flux across a curve), iterated integrals (double and triple integrals; polar, cylindrical and spherical coordinates; areas, volumes and mass; Green's Theorem), flux integrals (flow through a surface; flux integrals through a surface defined by a function of two variables, though cylinders, spheres and parametrised surfaces), Gauss' Divergence Theorem and Stokes' Theorem.

### MATH2063

#### Math Computing and Nonlinear Systems

##### Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week (lectures in common with MATH2963). **Prerequisites:** MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907) **Prohibitions:** MATH2003, MATH903, MATH2006, MATH2906, MATH2963 **Assessment:** 2 hour exam, assignments, quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B E, B Ed, B Sc (Psych), B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit will introduce students to techniques of mathematical computation as applied to nonlinear systems, using the numerical programming language MATLAB and, where appropriate, computer algebra. This knowledge will be applied to a number of modelling problems, particularly those involving nonlinear mappings and nonlinear ordinary differential equations (ODEs). Throughout the unit of study the essential nonlinear theory will be developed, and the resulting ideas will be explored computationally. This will allow us to explore the modern concepts of chaos using a variety of examples, including the logistic map, the Henon map and the Lorenz equations. No prior knowledge of programming or of the MATLAB language or computer algebra is required.

### MATH2065

#### Partial Differential Equations (Intro)

##### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial, one 1 hour example class per week. **Prerequisites:** MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907) **Prohibitions:** MATH2005, MATH2905, MATH2965, MATH2067 **Assessment:** 2 hour exam, mid-semester test, assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B E, B Ed, B Sc (Psych), B Res Ec, B Sc, UG Study Abroad Program.

This is an introductory course in the analytical solutions of PDEs (partial differential equations) and boundary value problems. The techniques covered include separation of variables, Fourier series, Fourier transforms and Laplace transforms.

### MATH2067

#### DEs and Vector Calculus for Engineers

##### Science

**Credit points:** 6 **Session:** Semester 1, Summer Main **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour practical per week. **Prerequisites:** MATH(1001 or 1901 or 1906) and MATH(1002 or 1902) and MATH(1003 or 1903 or 1907) **Prohibitions:** MATH2001, MATH2901, MATH2005, MATH2905, MATH2061, MATH2961, MATH2065, MATH2965 **Assessment:** One 3 hour examination, assignments and quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program, UG Summer/Winter School.

MATH2067 starts by introducing students to solution techniques of ordinary and partial differential equations (ODEs and PDEs) relevant to the engineering disciplines: it provides a basic grounding in these techniques to enable students to build on the concepts in their subsequent engineering classes. The main topics are Fourier series, second order ODEs, including inhomogeneous equations and Laplace transforms, and second order PDEs in rectangular domains (solution by separation of variables).

The unit moves on to topics from vector calculus, including vector-valued functions (parametrised curves and surfaces; vector fields; div, grad and curl; gradient fields and potential functions), line integrals (arc length; work; path-independent integrals and conservative fields; flux across a curve), iterated integrals (double and triple integrals; polar, cylindrical and spherical coordinates; areas, volumes and mass; Green's Theorem), flux integrals (flow through a surface; flux integrals through a surface defined by a function of two variables, though cylinders, spheres and parametrised surfaces), Gauss's Divergence Theorem and Stokes' Theorem.

### MATH2068

#### Number Theory and Cryptography

##### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** 6 credit points of Junior level Mathematics **Prohibitions:** MATH3024, MATH3009, MATH2988 **Assumed knowledge:** MATH (1014 or 1002 or 1902) **Assessment:** 2 hour exam, assignments, quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B E, B Sc (Psych), B Sc, UG Study Abroad Program.

Cryptography is the branch of mathematics that provides the techniques for confidential exchange of information sent via possibly insecure channels. This unit introduces the tools from elementary number theory that are needed to understand the mathematics underlying the most commonly used modern public key cryptosystems. Topics include the Euclidean Algorithm, Fermat's Little Theorem, the Chinese Remainder Theorem, Möbius Inversion, the RSA Cryptosystem, the Elgamal Cryptosystem and the Diffie-Hellman Protocol. Issues of computational complexity are also discussed.

### MATH2069

#### Discrete Mathematics and Graph Theory

##### Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour practice class per week. **Prerequisites:** 6 credit points of Junior level Mathematics **Prohibitions:** MATH2011, MATH2009, MATH2969 **Assessment:** One 2 hour exam, assignments, quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B E, B Ed, B Sc (Psych), B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit introduces students to several related areas of discrete mathematics, which serve their interests for further study in pure and applied mathematics, computer science and engineering. Topics to be covered in the first part of the unit include recursion and induction, generating functions and recurrences, combinatorics, asymptotics and analysis of algorithms. Topics covered in the second part of the unit include Eulerian and Hamiltonian graphs, the theory of trees (used in the study of data structures), planar graphs, the study of chromatic polynomials (important in scheduling problems), maximal flows in networks, matching theory.

### MATH2070

#### Optimisation and Financial Mathematics

##### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) **Prohibitions:** MATH2010, MATH2033, MATH2933, MATH2970, ECMT3510 **Assumed knowledge:** MATH (1003 or 1903 or 1907) **Assessment:** One 2 hour exam, assignments, quiz, project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students may enrol in both MATH2070 and MATH3075 in the same semester*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B E, B Ed, B Sc (Psych), B Res Ec, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

Problems in industry and commerce often involve maximising profits or minimising costs subject to constraints arising from resource limitations. The first part of this unit looks at programming problems and their solution using the simplex algorithm; nonlinear optimisation & the Kuhn Tucker conditions.

The second part of the unit deals with utility theory and modern portfolio theory. Topics covered include: pricing under the principles of expected return and expected utility; mean-variance Markowitz portfolio theory, the Capital Asset Pricing Model, log-optimal portfolios and the Kelly criterion; dynamical programming. Some understanding of probability theory including distributions and expectations is required in this part.

Theory developed in lectures will be complemented by computer laboratory sessions using MATLAB. Minimal computing experience will be required.

#### MATH2551

##### Mathematics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

#### MATH2552

##### Mathematics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

#### MATH2553

##### Mathematics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

#### MATH2554

##### Mathematics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

#### MATH2555

##### Mathematics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester

2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

#### MATH2556

##### Mathematics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

#### MATH2557

##### Mathematics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

#### MATH2558

##### Mathematics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

#### MATH2559

##### Mathematics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

#### MATH2560

##### Mathematics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MATH2561 Mathematics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MATH2916 Working Seminar A (SSP) Science

**Credit points:** 3 **Session:** Semester 1 **Classes:** One 1 hour seminar per week. **Prerequisites:** By invitation, High Distinction average over 12 credit points of Advanced Junior Mathematics **Assessment:** One 1 hour presentation, 15-20 page essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program.

The main aim of this unit is to develop the students' written and oral presentation skills. The material will consist of a series of connected topics relevant to modern mathematics and statistics. The topics are chosen to suit the students' background and interests, and are not covered by other mathematics or statistics units. The first session will be an introduction on the principles of written and oral presentation of mathematics. Under the supervision and advice of the lecturer(s) in charge, the students present the topics to the other students and the lecturer in a seminar series and a written essay in a manner that reflects the practice of research in mathematics and statistics.

### MATH2917 Working Seminar B (SSP) Science

**Credit points:** 3 **Session:** Semester 2 **Classes:** One 1 hour seminar per week. **Prerequisites:** By invitation, High Distinction average over 12 credit points of Advanced Junior Mathematics **Assessment:** One 1 hour presentation, 15-20 page essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program.

The main aim of this unit is to develop the students' written and oral presentation skills. The material will consist of a series of connected topics relevant to modern mathematics and statistics. The topics are chosen to suit the students' background and interests, and are not covered by other mathematics or statistics units. The first session will be an introduction on the principles of written and oral presentation of mathematics. Under the supervision and advice of the lecturer(s) in charge, the students present the topics to the other students and the lecturer in a seminar series and a written essay in a manner that reflects the practice of research in mathematics and statistics.

### MATH2961 Linear Mathematics & Vector Calculus Adv Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Four 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003) **Prohibitions:** MATH2001, MATH2901, MATH2002, MATH2902, MATH2061,

MATH2067 **Assessment:** 2 hour exam, assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B E, B Ed, B Sc (Psych), B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit is an advanced version of MATH2061, with more emphasis on the underlying concepts and on mathematical rigour. Topics from linear algebra focus on the theory of vector spaces and linear transformations.

The connection between matrices and linear transformations is studied in detail. Determinants, introduced in first year, are revised and investigated further, as are eigenvalues and eigenvectors. The calculus component of the unit includes local maxima and minima, Lagrange multipliers, the inverse function theorem and Jacobians.

There is an informal treatment of multiple integrals: double integrals, change of variables, triple integrals, line and surface integrals, Green's theorem and Stokes' theorem.

### MATH2962 Real and Complex Analysis (Advanced) Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour practice class per week. **Prerequisites:** MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003) **Prohibitions:** MATH2007, MATH2907 **Assessment:** 2 hour exam, assignments, quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B E, B Ed, B Sc (Psych), B Sc, UG Study Abroad Program.

Analysis is one of the fundamental topics underlying much of mathematics including differential equations, dynamical systems, differential geometry, topology and Fourier analysis. Starting off with an axiomatic description of the real number system, this first course in analysis concentrates on the limiting behaviour of infinite sequences and series on the real line and the complex plane. These concepts are then applied to sequences and series of functions, looking at point-wise and uniform convergence. Particular attention is given to power series leading into the theory of analytic functions and complex analysis. Topics in complex analysis include elementary functions on the complex plane, the Cauchy integral theorem, Cauchy integral formula, residues and related topics with applications to real integrals.

### MATH2963 Math Computing & Nonlinear Systems (Adv) Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week (lectures in common with MATH2063). **Prerequisites:** MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003) **Prohibitions:** MATH2003, MATH2903, MATH2006, MATH2906, MATH2063 **Assessment:** 2 hour exam, assignments/quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B E, B Ed, B Sc (Psych), B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

The content of this unit of study parallels that of MATH2063, but both computational and theory components will place more emphasis on Advanced topics, including Lyapunov exponents, stability, 2- and 3-cycles for mappings and concepts such as strange attractors. No prior knowledge of programming or of the MATLAB language or computer algebra is required.

### MATH2965 Partial Differential Equations Intro Adv Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week (lectures in common with MATH2065). **Prerequisites:** MATH (2961 or Credit in 2061) or {MATH (2901 or Credit in 2001) and MATH (2902 or Credit in 2002)} **Prohibitions:** MATH2005, MATH 2905, MATH2065, MATH2067 **Assessment:** 2 hour exam, assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B E, B Ed, B Sc (Psych), B Sc, UG Study Abroad Program.

This unit of study is essentially an Advanced version of MATH2065, the emphasis being on solutions of differential equations in applied mathematics. The theory of ordinary differential equations is developed for second order linear equations, including series solutions, special functions and Laplace transforms, and boundary-value problems including separation of variables, Fourier series and Fourier transforms.

### MATH2968 Algebra (Advanced) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour practice class per week. **Prerequisites:** 9 credit points of Junior Mathematics (advanced level or Credit at normal level) including (MATH1902 or Credit in MATH1002) **Prohibitions:** MATH2908, MATH2918, MATH2008 **Assessment:** 2 hour exam, assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B E, B Ed, B Sc (Psych), B Sc, UG Study Abroad Program.

This unit provides an introduction to modern abstract algebra, via linear algebra and group theory. It extends the linear algebra covered in Junior Mathematics and in MATH2961, and proceeds to a classification of linear operators on finite dimensional spaces. Permutation groups are used to introduce and motivate the study of abstract group theory. Topics covered include actions of groups on sets, subgroups, homomorphisms, quotient groups and the classification of finite abelian groups.

### MATH2969 Discrete Mathematics & Graph Theory Adv Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour practice class per week. **Prerequisites:** 9 credit points of Junior Mathematics (advanced level or Credit at the normal level) **Prohibitions:** MATH2011, MATH2009, MATH2069 **Assessment:** Two 1.5 hour exams, assignments, quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B E, B Ed, B Sc (Psych), B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit will cover the same material as MATH2069 with some extensions and additional topics.

### MATH2970 Optimisation & Financial Mathematics Adv Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week (lectures given in common with MATH2070). **Prerequisites:** MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) **Prohibitions:** MATH2010, MATH2033, MATH2933, MATH2070 **Assumed knowledge:** MATH (1903 or 1907) or Credit in MATH1003 **Assessment:** One 2 hour exam, assignments, quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students may enrol in both MATH2970 and MATH3975 in the same semester*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B E, B Ed, B Sc (Psych), B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

The content of this unit of study parallels that of MATH2070, but students enrolled at Advanced level will undertake more advanced problem solving and assessment tasks, and some additional topics may be included.

### MATH2988 Number Theory and Cryptography Advanced) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** At least 9cp from MATH (1901 or Credit in 1001), MATH (1902 or Credit in 1002), MATH (1903 or Credit in 1003), MATH (1904 or Credit in 1004), MATH (1905 or Credit in 1005), MATH1906, MATH1907, MATH (2961 or Credit in MATH2061), MATH2962 or MATH (2969 or Credit in MATH2069). **Prohibitions:** MATH2068 **Assessment:** One 2 hr exam, homework assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ed, B Sc (Psych), B Sc, UG Study Abroad Program.

This unit of study is an advanced version of MATH2068, sharing the same lectures but with more advanced topics introduced in the tutorials and computer laboratory sessions.

### MATH3061 Geometry and Topology Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3001, MATH3006 **Assessment:** One 2 hour exam, tutorial tests, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B IT (Hons), B Res Ec, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program.

The aim of the unit is to expand visual/geometric ways of thinking. The geometry section is concerned mainly with transformations of the Euclidean plane (that is, bijections from the plane to itself), with a focus on the study of isometries (proving the classification theorem for transformations which preserve distances between points), symmetries (including the classification of frieze groups) and affine transformations (transformations which map lines to lines). The basic approach is via vectors and matrices, emphasising the interplay between geometry and linear algebra. The study of affine transformations is then extended to the study of collineations in the real projective plane, including collineations which map conics to conics. The topology section considers graphs, surfaces and knots from a combinatorial point of view. Key ideas such as homeomorphism, subdivision, cutting and pasting and the Euler invariant are introduced first for graphs (1-dimensional objects) and then for triangulated surfaces (2-dimensional objects). The classification of surfaces is given in several equivalent forms. The problem of colouring maps on surfaces is interpreted via graphs. The main geometric fact about knots is that every knot bounds a surface in 3-space. This is proven by a simple direct construction, and this fact is used to show that every knot is a sum of prime knots.

### MATH3062 Algebra and Number Theory Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3962, MATH3902, MATH3002, MATH3009 **Assessment:** One 2 hour exam, quizzes and assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Students are advised to take MATH(2068 or 2968) before attempting this unit.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B IT (Hons), B Res Ec, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program.

The first half of the unit continues the study of elementary number theory, with an emphasis on the solution of Diophantine equations (for example, finding all integer squares which are one more than twice a square). Topics include the Law of Quadratic Reciprocity, representing an integer as the sum of two squares, and continued fractions. The second half of the unit introduces the abstract algebraic concepts which arise naturally in this context: rings, fields, irreducibles and unique factorisation. Polynomial rings, algebraic numbers and constructible numbers are also discussed.

#### Textbooks

Walters, RFC. Number Theory: an Introduction. Carslaw Publications.  
Niven, I. Zuckerman, HS. Montgomery, HL. An Introduction to the Theory of Numbers. Wiley.  
Herstein, IN. Topics in Algebra. Blaisdell.  
Childs, LN. A Concrete Introduction to Higher Algebra. Springer.

### MATH3063 Differential Equations & Biomaths Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3020, MATH3920, MATH3003, MATH3923, MATH3963 **Assumed knowledge:** MATH2061 **Assessment:** One 2 hour

exam, assignments, quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit of study is an introduction to the theory of systems of ordinary differential equations. Such systems model many types of phenomena in engineering, biology and the physical sciences. The emphasis will not be on finding explicit solutions, but instead on the qualitative features of these systems, such as stability, instability and oscillatory behaviour. The aim is to develop a good geometrical intuition into the behaviour of solutions to such systems. Some background in linear algebra, and familiarity with concepts such as limits and continuity, will be assumed. The applications in this unit will be drawn from predator-prey systems, transmission of diseases, chemical reactions, beating of the heart and other equations and systems from mathematical biology.

### MATH3065 Logic and Foundations Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3005 **Assessment:** One 2 hour exam, tutorial tests, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B I T (Hons), B Res Ec, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit is in two halves. The first half provides a working knowledge of the propositional and predicate calculi, discussing techniques of proof, consistency, models and completeness. The second half discusses notions of computability by means of Turing machines (simple abstract computers). (No knowledge of computer programming is assumed.) It is shown that there are some mathematical tasks (such as the halting problem) that cannot be carried out by any Turing machine. Results are applied to first-order Peano arithmetic, culminating in Gödel's Incompleteness Theorem: any statement that includes first-order Peano arithmetic contains true statements that cannot be proved in the system. A brief discussion is given of Zermelo-Fraenkel set theory (a candidate for the foundations of mathematics), which still succumbs to Gödel's Theorem.

### MATH3068 Analysis Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3008, MATH2007, MATH2907, MATH2962 **Assessment:** One 2 hour exam, tutorial tests, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Res Ec, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program.

Analysis grew out of calculus, which leads to the study of limits of functions, sequences and series. The aim of the unit is to present enduring beautiful and practical results that continue to justify and inspire the study of analysis. The unit starts with the foundations of calculus and the real number system. It goes on to study the limiting behaviour of sequences and series of real and complex numbers. This leads naturally to the study of functions defined as limits and to the notion of uniform convergence. Returning to the beginnings of calculus and power series expansions leads to complex variable theory: analytic functions, Taylor expansions and the Cauchy Integral Theorem.

Power series are not adequate to solve the problem of representing periodic phenomena such as wave motion. This requires Fourier theory, the expansion of functions as sums of sines and cosines. This unit deals with this theory, Parseval's identity, pointwise convergence theorems and applications.

The unit goes on to introduce Bernoulli numbers, Bernoulli polynomials, the Euler MacLaurin formula and applications, the gamma function

and the Riemann zeta function. Lastly we return to the foundations of analysis, and study limits from the point of view of topology.

### MATH3075 Financial Mathematics Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3975, MATH3015, MATH3933 **Assessment:** Two class quizzes and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Res Ec, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit is an introduction to the mathematical theory of modern finance. Topics include: notion of arbitrage, pricing riskless securities, risky securities, utility theory, fundamental theorems of asset pricing, complete markets, introduction to options, binomial option pricing model, discrete random walks, Brownian motion, derivation of the Black-Scholes option pricing model, extensions and introduction to pricing exotic options, credit derivatives. A strong background in mathematical statistics and partial differential equations is an advantage, but is not essential. Students completing this unit have been highly sought by the finance industry, which continues to need graduates with quantitative skills. The lectures in the Normal unit are held concurrently with those of the corresponding Advanced unit.

### MATH3076 Mathematical Computing Science

**Credit points:** 6 **Teacher/Coordinator:** Dr D J Ivers **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour laboratory per week. **Prerequisites:** 12 credit points of Intermediate Mathematics and one of MATH1001 or 1003 or 1901 or 1903 or 1906 or 1907 **Prohibitions:** MATH3976, MATH3016, MATH3916 **Assessment:** One 2 hour exam, assignments, quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B I T (Hons), B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit of study provides an introduction to Fortran 95 programming and numerical methods. Topics covered include computer arithmetic and computational errors, systems of linear equations, interpolation and approximation, solution of nonlinear equations, quadrature, initial value problems for ordinary differential equations and boundary value problems.

### MATH3078 PDEs and Waves Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3978, MATH3018, MATH3921 **Assumed knowledge:** MATH(2061/2961) and MATH(2065/2965) **Assessment:** One 2 hour exam, one lecture quiz **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Res Ec, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit of study introduces Sturm-Liouville eigenvalue problems and their role in finding solutions to boundary value problems. Analytical solutions of linear PDEs are found using separation of variables and integral transform methods. Three of the most important equations of mathematical physics - the wave equation, the diffusion (heat) equation and Laplace's equation - are treated, together with a range of applications. There is particular emphasis on wave phenomena, with an introduction to the theory of sound waves and water waves.

*Textbooks*

Powers, DL. Boundary Value Problems. Harcourt-Brace 4th Edition. 1999.

### MATH3551 Mathematics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester



**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MATH3566

#### Mathematics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MATH3567

#### Mathematics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MATH3568

#### Mathematics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MATH3569

#### Mathematics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MATH3570

#### Mathematics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MATH3571

#### Mathematics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MATH3572

#### Mathematics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MATH3961

#### Metric Spaces (Advanced) Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics units **Prohibitions:** MATH3901, MATH3001 **Assumed knowledge:** MATH2961 or MATH2962 **Assessment:** 2 hour exam, assignments, quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program.

Topology, developed at the end of the 19th Century to investigate the subtle interaction of analysis and geometry, is now one of the basic disciplines of mathematics. A working knowledge of the language and concepts of topology is essential in fields as diverse as algebraic number theory and non-linear analysis. This unit develops the basic ideas of topology using the example of metric spaces to illustrate and motivate the general theory. Topics covered include: Metric spaces, convergence, completeness and the contraction mapping theorem; Metric topology, open and closed subsets; Topological spaces, subspaces, product spaces; Continuous mappings and homeomorphisms; Compact spaces; Connected spaces; Hausdorff spaces and normal spaces, Applications include the implicit function theorem, chaotic dynamical systems and an introduction to Hilbert spaces and abstract Fourier series.

### MATH3962

#### Rings, Fields and Galois Theory (Adv) Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3062, MATH3902, MATH3002 **Assumed knowledge:** MATH2961 **Assessment:** One 2 hour exam, assignments and quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students are advised to take MATH2968 before attempting this unit.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B IT (Hons), B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit of study investigates the modern mathematical theory that was originally developed for the purpose of studying polynomial equations. The philosophy is that it should be possible to factorize

any polynomial into a product of linear factors by working over a "large enough" field (such as the field of all complex numbers). Viewed like this, the problem of solving polynomial equations leads naturally to the problem of understanding extensions of fields. This in turn leads into the area of mathematics known as Galois theory.

The basic theoretical tool needed for this program is the concept of a ring, which generalizes the concept of a field. The course begins with examples of rings, and associated concepts such as subrings, ring homomorphisms, ideals and quotient rings. These tools are then applied to study quotient rings of polynomial rings. The final part of the course deals with the basics of Galois theory, which gives a way of understanding field extensions.

#### Textbooks

I.H. Herstein, Abstract algebra, second edition, MacMillan, 1990.

S. Lang Algebra, third edition, Springer-Verlag, Graduate texts in Mathematics, 2002.

I.N. Stewart, Galois Theory, Chapman and Hall, 1973.

### MATH3963

#### Differential Equations & Biomaths (Adv)

##### Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3020, MATH3920, MATH3003, MATH3923, MATH3063 **Assumed knowledge:** MATH2961 **Assessment:** One 2 hour exam, assignments, quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Sc, B Sc (Bioinformatics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

The theory of ordinary differential equations is a classical topic going back to Newton and Leibniz. It comprises a vast number of ideas and methods of different nature. The theory has many applications and stimulates new developments in almost all areas of mathematics. The applications in this unit will be drawn from predator-prey systems, transmission of diseases, chemical reactions, beating of the heart and other equations and systems from mathematical biology. The emphasis is on qualitative analysis including phase-plane methods, bifurcation theory and the study of limit cycles. The more theoretical part includes existence and uniqueness theorems, stability analysis, linearisation, and hyperbolic critical points, and omega limit sets.

### MATH3966

#### Modules and Group Representations (Adv)

##### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics **Prohibitions:** MATH3906, MATH3907 **Assumed knowledge:** MATH3962 **Assessment:** One 2 hour exam, assignments and quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit deals first with generalized linear algebra, in which the field of scalars is replaced by an integral domain. In particular we investigate the structure of modules, which are the analogues of vector spaces in this setting, and which are of fundamental importance in modern pure mathematics. Applications of the theory include the solution over the integers of simultaneous equations with integer coefficients and analysis of the structure of finite abelian groups.

In the second half of this unit we focus on linear representations of groups. A group occurs naturally in many contexts as a symmetry group of a set or space. Representation theory provides techniques for analysing these symmetries. The component will deals with the decomposition of representation into simple constituents, the remarkable theory of characters, and orthogonality relations which these characters satisfy.

### MATH3968

#### Differential Geometry (Advanced)

##### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics, including MATH2961 **Prohibitions:** MATH3903 **Assumed knowledge:** At least 6 credit points of Advanced Mathematics units of study at Intermediate or Senior level. **Assessment:** One 2 hour exam and 2 assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit is an introduction to Differential Geometry, using ideas from calculus of several variables to develop the mathematical theory of geometrical objects such as curves, surfaces and their higher-dimensional analogues. Differential geometry also plays an important part in both classical and modern theoretical physics. The initial aim is to develop geometrical ideas such as curvature in the context of curves and surfaces in space, leading to the famous Gauss-Bonnet formula relating the curvature and topology of a surface. A second aim is to present the calculus of differential forms as the natural setting for the key ideas of vector calculus, along with some applications.

### MATH3969

#### Measure Theory & Fourier Analysis (Adv)

##### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorials per week. **Prerequisites:** 12 credit points Intermediate Mathematics **Prohibitions:** MATH3909 **Assumed knowledge:** At least 6 credit points of Advanced Mathematics units of study at Intermediate or Senior level **Assessment:** One 2 hour exam, assignments, quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program.

Measure theory is the study of such fundamental ideas as length, area, volume, arc length and surface area. It is the basis for the integration theory used in advanced mathematics since it was developed by Henri Lebesgue in about 1900. Moreover, it is the basis for modern probability theory. The course starts by setting up measure theory and integration, establishing important results such as Fubini's Theorem and the Dominated Convergence Theorem which allow us to manipulate integrals. This is then applied to Fourier Analysis, and results such as the Inversion Formula and Plancherel's Theorem are derived. Probability Theory is then discussed, with topics including independence, conditional probabilities, and the Law of Large Numbers.

### MATH3974

#### Fluid Dynamics (Advanced)

##### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics with average grade of at least Credit **Prohibitions:** MATH3914 **Assumed knowledge:** MATH2961, MATH2965 **Assessment:** One 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit of study provides an introduction to fluid dynamics, starting with a description of the governing equations and the simplifications gained by using stream functions or potentials. It develops elementary theorems and tools, including Bernoulli's equation, the role of vorticity, the vorticity equation, Kelvin's circulation theorem, Helmholtz's theorem, and an introduction to the use of tensors. Topics covered include viscous flows, lubrication theory, boundary layers, potential theory, and complex variable methods for 2-D airfoils. The unit concludes with an introduction to hydrodynamic stability theory and the transition to turbulent flow.

### MATH3975

#### Financial Mathematics (Advanced)

##### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate



Mathematics with at least Credit average **Prohibitions:** MATH3933, MATH3015, MATH3075 **Assessment:** Two class quizzes and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit is an introduction to the mathematical theory of modern finance. Topics include: notion of arbitrage, pricing riskless securities, risky securities, utility theory, fundamental theorems of asset pricing, complete markets, introduction to options, binomial option pricing model, discrete random walks, Brownian motion, derivation of the Black-Scholes option pricing model, extensions and introduction to pricing exotic options, credit derivatives. A strong background in mathematical statistics and partial differential equations is an advantage, but is not essential. Students completing this unit have been highly sought by the finance industry, which continues to need graduates with quantitative skills. Students enrolled in this unit at the Advanced level will be expected to undertake more challenging assessment tasks. The lectures in the Advanced unit are held concurrently with those of the corresponding Normal unit.

### MATH3976

#### Mathematical Computing (Advanced)

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Dr D J Ivers **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics and one of MATH(1903 or 1907) or Credit in MATH1003 **Prohibitions:** MATH3076, MATH3016, MATH3916 **Assessment:** One 2 hour exam, assignments, quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B I T (Hons), B Sc, B Sc (Bioinformatics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

See entry for MATH3076 Mathematical Computing.

### MATH3977

#### Lagrangian & Hamiltonian Dynamics (Adv)

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Dr. Leon Poladian **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate Mathematics with at least Credit average **Prohibitions:** MATH2904, MATH2004, MATH3917 **Assessment:** One 2 hour exam and assignments and/or quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit provides a comprehensive treatment of dynamical systems using the mathematically sophisticated framework of Lagrange and Hamilton. This formulation of classical mechanics generalizes elegantly to modern theories of relativity and quantum mechanics. The unit develops dynamical theory from the Principle of Least Action using the calculus of variations. Emphasis is placed on the relation between the symmetry and invariance properties of the Lagrangian and Hamiltonian functions and conservation laws. Coordinate and canonical transformations are introduced to make apparently complicated dynamical problems appear very simple. The unit will also explore connections between geometry and different physical theories beyond classical mechanics.

Students will be expected to solve fully dynamical systems of some complexity including planetary motion and to investigate stability using perturbation analysis. Hamilton-Jacobi theory will be used to elegantly solve problems ranging from geodesics (shortest path between two points) on curved surfaces to relativistic motion in the vicinity of black holes.

This unit is a useful preparation for units in dynamical systems and chaos, and complements units in differential equations, quantum theory and general relativity.

### MATH3978

#### PDEs and Waves (Advanced)

##### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Intermediate

Mathematics with at least Credit average **Prohibitions:** MATH3078, MATH3018, MATH3921 **Assumed knowledge:** MATH(2061/2961) and MATH(2065/2965) **Assessment:** One 2 hour exam, one lecture quiz **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Sc, B Sc (Molecular Biotechnology), UG Study Abroad Program.

As for MATH3078 PDEs & Waves but with more advanced problem solving and assessment tasks. Some additional topics may be included.

*Textbooks*

Powers, DL. Boundary Value Problems. Harcourt-Brace 4th Edition. 1999.

### MATH4301

#### Pure Mathematics Honours A

##### Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B S T (Hons), B Sc (Hons).

Students enrolled in the Honours programs study various advanced aspects of Pure Mathematics. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

### MATH4302

#### Pure Mathematics Honours B

##### Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MATH4301 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B S T (Hons), B Sc (Hons).

See MATH4301

### MATH4303

#### Pure Mathematics Honours C

##### Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MATH4302 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B S T (Hons), B Sc (Hons).

See MATH4301

### MATH4304

#### Pure Mathematics Honours D

##### Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MATH4303 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B S T (Hons), B Sc (Hons).

See MATH4301

### MATH4305

#### Pure Mathematics (STABEX)

##### Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** UG Study Abroad Program.

This unit is available to Study Abroad and Exchange students coming to the University of Sydney. The unit is part of the Honours year program. Students enrolled in the Honours program study various advanced aspects of Pure Mathematics. The program may include lectures, tutorials and seminars. Assessment may include research, examination and classwork. Intending students should contact the Honours coordinator in this School.

**MATH4306****Pure Mathematics (STABEX)****Science**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** UG Study Abroad Program.

This unit is available to Study Abroad and Exchange students coming to the University of Sydney. The unit is part of the Honours year program. Students enrolled in the Honours program study various advanced aspects of Pure Mathematics. The program may include lectures, tutorials and seminars. Assessment may include research, examination and classwork. Intending students should contact the Honours coordinator in this School.

**MATH4401****Applied Mathematics Honours A****Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B S T (Hons), B Sc (Hons).

Students enrolled in the Honours programs study various advanced aspects of Applied Mathematics. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

**MATH4402****Applied Mathematics Honours B****Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MATH4401 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B S T (Hons), B Sc (Hons).

See MATH4401

**MATH4403****Applied Mathematics Honours C****Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MATH4402 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B S T (Hons), B Sc (Hons).

See MATH4401

**MATH4404****Applied Mathematics Honours D****Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MATH4403 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B S T (Hons), B Sc (Hons).

See MATH4401

**MATH4405****Applied Mathematics (STABEX)****Science**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** UG Study Abroad Program.

This unit is available to Study Abroad and Exchange students coming to the University of Sydney. The unit is part of the Honours year program. Students enrolled in the Honours program study various

advanced aspects of Applied Mathematics. The program may include lectures, tutorials and seminars. Assessment may include research, examination and classwork. Intending students should contact the Honours coordinator in this School.

**MATH4406****Applied Mathematics (STABEX)****Science**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** UG Study Abroad Program.

This unit is available to Study Abroad and Exchange students coming to the University of Sydney. The unit is part of the Honours year program. Students enrolled in the Honours program study various advanced aspects of Applied Mathematics. The program may include lectures, tutorials and seminars. Assessment may include research, examination and classwork. Intending students should contact the Honours coordinator in this School.

**MBLG1001****Molecular Biology and Genetics (Intro)****Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Dale Hancock **Session:** Semester 2 **Classes:** Two 1 hour lectures per week; one 1 hour tutorial and one 4 hour practical per fortnight. **Prohibitions:** AGCH2001, BCHM2001, BCHM2101, BCHM2901, MBLG2101, MBLG2901, MBLG2001, MBLG2111, MBLG2771, MBLG2871, MBLG1901 **Assumed knowledge:** 6 credit points of Junior Biology and 6 cp of Junior Chemistry **Assessment:** One 2.5 hour exam, in-semester skills test and assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B App Sc (Ex & Sp Sc), B Sc (Nutr), B Com, M B, B S, B E, B Med Sc, B Pharm, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrit).

The lectures in this unit of study introduce the "Central Dogma" of molecular biology and genetics -i.e., the molecular basis of life. The course begins with the information macro-molecules in living cells: DNA, RNA and protein, and explores how their structures allow them to fulfill their various biological roles. This is followed by a review of how DNA is organised into genes leading to discussion of replication and gene expression (transcription and translation). The unit concludes with an introduction to the techniques of molecular biology and, in particular, how these techniques have led to an explosion of interest and research in Molecular Biology. The practical component complements the lectures by exposing students to experiments which explore the measurement of enzyme activity, the isolation of DNA and the 'cutting' of DNA using restriction enzymes. However, a key aim of the practicals is to give students higher level generic skills in computing, communication, criticism, data analysis/evaluation and experimental design.

*Textbooks*

Clarke, D. Molecular Biology. Elsevier 2005.

**MBLG1551****Molecular Biology and Genetics Exchange****Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**MBLG1901****Molecular Biology and Genetics (Adv)**

## Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Dale Hancock **Session:** Semester 2 **Classes:** Two 1 hour lectures per week; one 1 hour tutorial and one 4 hour practical per fortnight, four 1 hour seminars per semester. **Prerequisites:** UAL of 95 or minimum Band 5 in HSC chemistry and biology or by invitation **Prohibitions:** AGCH2001, BCHM2001, BCHM2101, BCHM2901, MBLG2101, MBLG2901, MBLG2001, MBLG2111, MBLG2771, MBLG2871, MBLG1001 **Assumed knowledge:** HSC Chemistry and Biology OR 6 credit points of Junior Biology and 6 cp of Junior Chemistry **Assessment:** One 2.5 hour exam, in-semester skills test and assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B App Sc (Ex & Sp Sc), B Sc (Nutr), B Com, M B, B S, B E, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG S.

The lectures in this unit of study introduce the "Central Dogma" of molecular biology and genetics -i.e., the molecular basis of life. The course begins with the information macro-molecules in living cells: DNA, RNA and protein, and explores how their structures allow them to fulfill their various biological roles. This is followed by a review of how DNA is organised into genes leading to discussion of replication and gene expression (transcription and translation). The unit concludes with an introduction to the techniques of molecular biology and, in particular, how these techniques have led to an explosion of interest and research in Molecular Biology. The practical component complements the lectures by exposing students to experiments which explore the measurement of enzyme activity, the isolation of DNA and the 'cutting' of DNA using restriction enzymes. However, a key aim of the practicals is to give students higher level generic skills in computing, communication, criticism, data analysis/evaluation and experimental design.

The advanced component is designed for students interested in continuing in molecular biology. It consists of 7 advanced lectures (replacing 7 regular lectures) and 3 advanced laboratory sessions (replacing 3 regular practical classes). The advanced lectures will focus on the experiments which led to key discoveries in molecular biology. The advanced practical sessions will give students the opportunity to explore alternative molecular biology experimental techniques. Attendance at MBLG1999 seminars is strongly encouraged.

### Textbooks

Clarked, D. Molecular Biology. Elsevier 2005.

## MBLG1999

### Molecular Biology & Genetics Seminar A

#### Science

**Session:** Semester 2 **Classes:** Four 1 hour seminars per semester. **Corequisites:** MBLG1001 or MBLG1901 **Assessment:** There will be no assessment for this unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Only available in the BSc(MBG) and MBLG1901*

**Associated degrees:** B Sc (Molecular Biology & Genetics).

This unit consists of four introductory molecular biology and genetics research based seminars.

## MBLG2071

### Molecular Biology and Genetics A

#### Science

**Credit points:** 6 **Teacher/Coordinator:** Ms Vanessa Gysbers **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; one 1 hour tutorial and one 4 hour practical per fortnight. **Prerequisites:** MBLG1001 or MBLG1901 and 12 CP of Junior Chemistry. **Prohibitions:** MBLG2971, MBLG2771, MBLG2871, MBLG2001, MBLG2101, MBLG2901, MBLG2111, PLNT2001, AGCH2001, BCHM2001, BCHM2101, BCHM2901 **Assessment:** One 2.5 hour exam, practical work, laboratory reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in the combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) must have completed all Junior units for this course (CHEM1101, BACH1161, BIOS1159, EXSS1018 CHEM1102, BIOS1133, BIOS1160, EXSS1033, MBLG1001) prior to enrolling in this unit.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (

This unit of study extends the basic concepts introduced in MBLG1001/1901 and provides a firm foundation for students wishing to continue in the molecular biosciences as well as for those students who intend to apply molecular techniques to other biological or medical questions. The unit explores the regulation of the flow of genetic information in both eukaryotes and prokaryotes. The central focus is on the control of replication, transcription and translation and how these processes can be studied and manipulated in the laboratory. The processes of DNA mutation and repair are also discussed. Experiments in model organisms are presented to illustrate current advancements in the field, together with discussion of work carried out in human systems and the relevance to human genetic diseases. The tools of molecular biology are taught within the context of recombinant DNA-cloning - with an emphasis on essential knowledge required to use plasmid vectors. The methods of gene introduction (examples of transgenic plants and animals) are also discussed. Other techniques include PCR methodology and its use for cloning specific genes and detection of polymorphisms, separating DNA fragments by gel electrophoresis and analysis of macromolecules by Southern, Northern & Western blotting. In the genomics section, topics include assigning genes to specific chromosomes, high resolution chromosome mapping, DNA markers, physical mapping of genomes as well as DNA and genome sequencing methods and international projects in genome mapping.

The practical course complements the theory and builds on the skills learnt in MBLG1001. Specifically students will: use spectrophotometry for the identification and quantification of nucleic acids, explore the lac operon system for the investigation of gene expression control, perform PCR analysis. As with MBLG1001, strong emphasis is placed on the acquisition of generic and technical skills.

### Textbooks

Watson, J et al. Molecular Biology of the Gene. 5th edition. Pearson. 2004 or 6th edition Pearson, 2008

## MBLG2072

### Molecular Biology and Genetics B

#### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures per week; one 2-3 hour practical per week. One tutorial every second week. **Prerequisites:** BIOL (1001 or 1101 or 1901 or 1911) and MBLG (1001 or 1901) and 12 credit points of Junior Chemistry **Prohibitions:** MBLG2972, MBLG2102, MBLG2002, MBLG2902 **Assumed knowledge:** One of MBLG2071, MBLG2771, MBLG2001, MBLG2871, MBLG2971, MBLG2901 **Assessment:** One 2 hour exam (50%), laboratory reports and quizzes (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit of study builds on the concepts introduced in MBLG2071 and shows how modern molecular biology is being applied to the study of the genetics of all life forms from bacteria through to complex multicellular organisms including plants, animals and humans. Lecture topics include classical Mendelian genetics with an emphasis on its molecular basis, cytogenetics, bacterial genetics and evolution, molecular evolution, bioinformatics and genomics, developmental genetics and the techniques and applications of molecular genetics. Practical: In laboratory exercises you will use a variety of prokaryotic and eukaryotic organisms to illustrate aspects of the lecture material, while developing familiarity and competence with equipment used in molecular techniques, microscopes, computers and statistical tests. Generic skills are developed in report writing, oral presentation, problem solving and data analysis. This is a core Intermediate unit of study in the BSc (Molecular Biology and Genetics) degree program.

## MBLG2551

### Molecular Biology and Genetics Exchange

#### Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

#### MBLG2552

##### Molecular Biology and Genetics Exchange Science

**Credit points:** 8 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

#### MBLG2553

##### Molecular Biology and Genetics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

#### MBLG2554

##### Molecular Biology and Genetics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

#### MBLG2555

##### Molecular Biology and Genetics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

#### MBLG2556

##### Molecular Biology and Genetics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester

**2b Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

#### MBLG2971

##### Molecular Biology and Genetics A (Adv) Science

**Credit points:** 6 **Teacher/Coordinator:** Ms. Vanessa Gysbers **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; one 1 hour tutorial and one 4 hour practical per fortnight. **Prerequisites:** 12 credit points of Junior Chemistry and Distinction in MBLG (1001 or 1901) **Prohibitions:** MBLG2071, MBLG2771, MBLG2871, MBLG2001, MBLG2101, MBLG2901, MBLG2111, PLNT2001, AGCH2001, BCHM2001, BCHM2101, BCHM2901 **Assessment:** One 2.5 hour exam, practical work, laboratory reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in the combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) must have completed all Junior units for this course prior to enrolling in this unit.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (.).

Extension of concepts presented in MBLG2071 which will be taught in the context of practical laboratory experiments.

*Textbooks*

Watson, J et al. Molecular Biology of the Gene. 5th edition. Pearson. 2004.

#### MBLG2972

##### Molecular Biology and Genetics B (Adv) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures per week; one 2-3 hour practical per week. One tutorial every second week. **Prerequisites:** Distinction in one of MBLG2071, MBLG2771, MBLG2001, MBLG2871, MBLG2971, MBLG2901 **Prohibitions:** MBLG2072, MBLG2102, MBLG2002, MBLG2902 **Assessment:** One 2 hour exam (50%), laboratory reports and quizzes (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

Qualified students will participate in alternative components of MBLG2072, Molecular Biology and Genetics B. The content and nature of these components may vary from year to year.

#### MBLG3552

##### Molecular Biology and Genetics Exchange Science

**Credit points:** 12 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

#### MBLG3553

##### Molecular Biology and Genetics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MBLG3554

#### Molecular Biology and Genetics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MBLG3555

#### Molecular Biology and Genetics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MBLG3556

#### Molecular Biology and Genetics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MBLG3999

#### Molecular Biology & Genetics Seminar B Science

**Session:** Semester 2 **Classes:** Four 1 hour seminars (available by invitation only from MBLG program chair) **Assessment:** There will be no assessment for this unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Only available to students enrolled in the BSc(MBG) degree or the BCHM3972 course*

**Associated degrees:** B Sc (Molecular Biology & Genetics).

This unit consists of four advanced molecular biology and genetics research based seminars.

### MCGY1000

#### Aural Perception 1

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alan Maddox **Session:** Semester 1 **Classes:** One 1hr Lab and one 1hr Solfege tut/wk **Assumed knowledge:** Ability to read music notation including treble and bass clefs. Knowledge of all tonal key signatures and standard time signatures. **Assessment:** Weekly Lab assignment (15%); 1hr mid-semester written test (15%); Solfege class work assessment (15%); 1hr written examination (30%); 10 min Solfege examination

(25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Students work on dictation and sightsinging exercises using diatonic pitch materials, and simple and compound rhythms.

*Textbooks*

As advised on USYD eLearning website.

### MCGY1001

#### Aural Perception 1A

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alan Maddox **Session:** Semester 1 **Classes:** One 1hr lab and one 1hr Solfege tut/wk **Assumed knowledge:** Ability to read music notation including treble and bass clefs. Knowledge of all tonal key signatures and standard time signatures. **Assessment:** Weekly Lab tests (25%); weekly Lab assignments (15%); Solfege tutorial assessment (15%); 1hr Lab examination (25%); 5 min Solfege examination (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Students work on dictation and sightsinging exercises using simpler diatonic pitch materials, and simple and compound rhythms.

*Textbooks*

As advised on USYD eLearning web site.

### MCGY1002

#### Aural Perception 1B

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alan Maddox **Session:** Semester 2 **Classes:** One 1hr Lab and one 1hr Solfege tut/wk **Prerequisites:** MCGY1001 Aural Perception 1A **Assessment:** Weekly Lab assignment (15%); 1hr mid-semester written test (15%); Solfege class work assessment (15%); 1hr written examination (30%); 10 min Solfege examination (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Students continue to work on dictation and sightsinging exercises using diatonic pitch materials, and simple and compound rhythms.

*Textbooks*

As advised on USYD eLearning web site.

### MCGY1003

#### Aural Perception 2

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alan Maddox **Session:** Semester 1, Semester 2 **Classes:** One 1hr Lab and one 1hr Solfege tut/wk **Prerequisites:** MCGY1000 Aural Perception 1 or MCGY1002 Aural Perception 1B **Assessment:** Weekly Lab assignment (15%); 1hr mid-semester written test (15%); Solfege class work assessment (15%); 1hr written examination (30%); 10 min Solfege examination (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Materials studied include diatonic harmony, species counterpoint, modes and rhythms using triplets and duplets.

*Textbooks*

As advised on the USYD eLearning website.

### MCGY1008

#### Harmony and Analysis 1

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 1 **Classes:** 1 lecture, 1 tutorial/wk **Assessment:** Assignments (40%), examination (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

An understanding of the materials of tonal music is fundamental to all aspects of a student's musicianship. The acquisition of practical skills in harmony provides a means of examining in their essence issues of musical structure and technique that apply throughout the tonal repertoire. In February Semester students gain fluency in writing four-part harmonisations using diatonic vocabulary, learning the basic chord functions and voice-leading patterns that will provide a framework for later elaboration. Exercises in species counterpoint are included to assist in the comprehension of voice leading principles, and the linear conception of music is further explored through introductory exercises in analysis.

#### Textbooks

Gauldin Robert, Harmonic practice in tonal music. 2nd ed. NY: Norton, 2004.  
Gauldin Robert, Workbook for harmonic practice in tonal music. 2nd ed. NY: Norton, 2004

### MCGY1009

#### Harmony and Analysis 2

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 2 **Classes:** 1 lecture, 1 tutorial/wk **Prerequisites:** MCGY1008 Harmony and Analysis 1 **Assessment:** Assignments (40%), examination (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Having acquired basic skills in voice leading and an understanding of diatonic chord functions, students are introduced to more advanced concepts that are encountered frequently in the tonal repertoire. These include modulation, diatonic sequences and techniques for working with instrumental textures. Counterpoint studies are continued, both in practice and in analysis, where some aspects of Baroque musical forms are considered.

#### Textbooks

Gauldin Robert. Harmonic practice in tonal music. 2nd ed NY: Norton, 2004  
Gauldin Robert. Workbook for harmonic practice in tonal music. 2nd ed NY: Norton, 2004

### MCGY1013

#### Music History 1: Medieval & Renaissance

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alan Maddox **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tut/wk for 6 weeks. **Assessment:** Tutorial assignment (30%); tutorial participation (10%); final exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

This unit presents a largely chronological study of major developments in the history of Western art music of the Middle Ages and Renaissance: from the 9th century to 1600. The emergence of different styles and forms is examined through analysis of selected musical examples. Lectures also deal with the relation of music to contemporaneous events, religious and political, as well as technological developments such as music printing. Tutorials provide a detailed analysis of selected pieces, as well as the opportunity for students to discuss further the materials presented there and in the lectures. Emphasis is placed on listening to a wide variety of music. Below is a list of topics to be covered.

- chant: Gregorian chant, later medieval chant, and Hildegard of Bingen
- music of the troubadours and trouveres,
- early polyphony and the Notre Dame school
- French Ars nova and Italian Trecento: Machaut and Landini
- 15th-century English music and Dunstable
- Dufay and Ockeghem
- Josquin des Prez and his contemporaries
- the 16th-century madrigal

- 16th-century instrumental music and instruments

- 16th century sacred polyphony: Palestrina and Lasso

#### Textbooks

Grout DJ, Palisca CV. A History of Western Music. 7th ed. London & New York: Norton, 2006 Palisca CV, ed. Norton Anthology of Western Music. Vol 1. 5th ed. London & New York: Norton, 2006

### MCGY1014

#### Music History 2: Baroque

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alan Maddox **Session:** Semester 2 **Classes:** Two 1 hr lectures and one 1 hr seminar for 6 weeks **Assessment:** Tutorial presentation (30%), tutorial participation (20%) and final exam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

This unit presents a largely chronological survey of western art music of the baroque period, approximately 1600 to 1750. The lectures deal with the emergence and development of musical forms and styles, relating these to contemporary political and social developments where possible. Tutorials are devoted to detailed analysis of selected pieces and provide opportunity for students to discuss material covered there and in lectures. Emphasis is placed on listening to a wide variety of music. Below is a list of topics to be covered. Monody and the beginnings of opera; Monteverdi and the early 17th century; early baroque instrumental music: Frescobaldi, Sweelinck, etc; sacred concerto and 17th-century oratorio: Schütz and Carissimi; mid baroque opera: Purcell, Lully and Alessandro Scarlatti; the sonata: from Corelli to J. S. Bach; the instrumental concerto: from Torelli to J. S. Bach; operas and oratorios of Handel; the music of J. S. Bach. Students will attend a specified selection of classes taught within MCGY2611 Music from the Middle Ages to the Baroque.

#### Textbooks

Grout DJ, Palisca CV. A History of Western Music. 7th ed. London & New York: Norton, 2006. Palisca CV, ed. Norton Anthology of Western Music. Vol 1. 5th ed. London & New York: Norton, 2006.

### MCGY1019

#### Musicology Workshop 1

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 2hr seminar/wk **Corequisites:** MCGY2014 Musicology 3 (Major) or MCGY2603 Musicology 3 **Assessment:** Presentation of paper on major study, journal, and participation (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Musicology), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

Musicology Workshop provides a forum for discussion of musicological work and is principally intended for undergraduates taking Musicology as the Principal Study. Students taking the Musicology Minor are not required to attend but are very welcome to participate as time allows, as are musicology postgraduate students. Musicology Workshop gives students the opportunity to present their work in a seminar format and to discuss issues and methodology with the whole group, gaining practice in presentation and feedback. Occasional class projects are held in which the whole group focusses on a project such as the discussion of a recent conference or performances, musicological issues or activities, or recent literature. Workshop classes may occasionally be held at other locations for attendance of special lectures or viewing of specialist collections. Students will be expected occasionally to attend other musicological activities at the Conservatorium held at different times such as Musicology Research Workshop.

### MCGY1020

#### Musicology Workshop 2

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 2hr seminar/wk **Prerequisites:**

MCGY1019 Musicology Workshop 1 **Corequisites:** MCGY2015 Musicology 4 (Major) or MCGY2604 Musicology 4 **Assessment:** Presentation of paper on major study, journal, and participation (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Musicology), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

Musicology Workshop provides a forum for discussion of musicological work and is principally intended for undergraduates taking Musicology as the Principal Study. Students taking the Musicology Minor are not required to attend but are very welcome to participate as time allows, as are musicology postgraduate students. Musicology Workshop gives students the opportunity to present their work in a seminar format and to discuss issues and methodology with the whole group, gaining practice in presentation and feedback. Occasional class projects are held in which the whole group focusses on a project such as the discussion of a recent conference or performances, musicological issues or activities, or recent literature. Workshop classes may occasionally be held at other locations for attendance of special lectures or viewing of specialist collections. Students will be expected occasionally to attend other musicological activities at the Conservatorium held at different times such as Musicology Research Workshop.

### MCGY1601

#### Musicology 1

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 2 hr seminar, plus attendance at Musicology Workshop **Assessment:** Database quizz (10%) ; Annotated bibliography (20%); Class report and participation (20%); 1500w research report (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B Mus (Mus Ed), B Mus (Musicology), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Musicology 1 introduces the study of musicology at the undergraduate level. It aims to establish fundamental knowledge and skills required for musicological study and research, particularly emphasizing finding, surveying and reporting on musicological information. In this semester the musical topics for study are drawn from the recent period covered by MCGY2614 Musical Worlds of Today.

### MCGY1602

#### Musicology 2

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 2 hr seminar, plus attendance at Musicology Workshop **Prerequisites:** MCGY1601 Musicology 1 **Assessment:** Assignments 30%; class report and participation 20%; 1500w research report 50% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Mus (Mus Ed), B Mus (Musicology), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Musicology 2 continues the introduction to musicology at the undergraduate level, and like Musicology 1, it aims to further the establishment of fundamental methodological knowledge and skills required for musicological study and research. Musical topics for study are drawn from the period covered by MCGY2611 Music from the Middle Ages to the Baroque, and some strategies for musical analysis of music of the period are introduced.

### MCGY2001

#### Advanced Harmony 2

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 2 **Classes:** One 2hr seminar/wk for 6 weeks **Assessment:** Three 15-20 bar

assignments (75%), one 15min seminar presentation (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, UG Study Abroad Program.

It is recommended that all students considering enrolling in this unit of study first complete Harmony and Analysis 4. Students in this unit will observe in detail a selection of western musical styles and the work of particular composers, applying the knowledge thus gained by writing short compositions in the relevant styles. For the student with some creative inclinations, the activity of stylistic imitation offers unique insights into the music of any period. Topics for study will be selected according to the interests of the group, taking into account the need for a coherent and cumulative course structure. Students in this unit will attend a specified selection of classes taught within MCGY2600 Advanced Harmony.

### MCGY2004

#### Aural Perception 3

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alan Maddox **Session:** Semester 1, Semester 2 **Classes:** One 1hr Lab and one 1hr Solfege tut/wk **Prerequisites:** MCGY1003 Aural Perception 2 **Assessment:** Weekly Lab assignment (15%); 1hr mid-semester written test (15%); Solfege class work assessment (15%); 1hr written examination (30%); 10 min Solfege examination (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Materials studied include more complex tonal melodies, chromatic tonal harmony, and rhythms using irregular division and small divisions.

*Textbooks*

As advised on the USYD eLearning website.

### MCGY2005

#### Aural Perception 4

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alan Maddox **Session:** Semester 1, Semester 2 **Classes:** One 1hr Lab and one 1hr Solfege tut/wk **Prerequisites:** MCGY2004 Aural Perception 3 **Assessment:** Weekly Lab assignment (15%); 1hr mid-semester written test (15%); Solfege class work assessment (15%); 1hr written examination (30%); 10 min Solfege examination (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Materials studied include more complex chromatic tonal harmony, atonal melodic and harmonic materials, and more complex rhythmic materials including irregular and mixed metres.

*Textbooks*

As advised on the USYD eLearning website.

### MCGY2006

#### Classical Studies

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Neal Peres Da Costa **Session:** Semester 2 **Classes:** One 1hr seminar/wk **Prerequisites:** MCGY2012 Music History 3 or MCGY2612 Music in the Classical and Romantic Eras **Assessment:** Seminar presentation (25%), essay 3000 words (50%), attendance/participation (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The unit enables students to explore topics that will deepen and extend their understanding of the style, repertoire and performance traditions of the Viennese classical era, c. 1770-1827 and particularly the music of Haydn, Mozart and Beethoven. Students will become acquainted with important repertoire, research one topic in depth, increase knowledge of several other topics through the research of other class members, and study a selection of critical writings about the classical

period. Specific topics will be devised early in the semester based on scholarly and instrumental specialities.

## MCGY2008

### Music History 5: 1890-1950

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Richard Toop **Session:** Semester 2  
**Classes:** 1 hr lec and 2 hr tut/wk x 3 weeks, plus 2 hr lec and 1 hr tut/wk x 3 weeks. **Assumed knowledge:** Some familiarity with early 20th century music.  
**Assessment:** Either essay (35%) and 2hr examination (65%) OR 3hr examination (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

Traces the essential developments in 20th century Western art music to just after the 2nd World War and relates them to broad changes in 20th century art and society. The overview given in the lectures is reinforced by analysis of key works in the tutorials. Areas studied include: late nineteenth century Romanticism in Germany; anti- and post-Romantic trends in French music; the collapse of tonality; development of new approaches to rhythm and timbre; the neo-classical movement; the influence of jazz and popular music; the beginnings of serialism; music in Soviet Russia; experimentalism in American Music. Works analysed include compositions by Bartok, Debussy, Hindemith, Messiaen, Schoenberg, Strauss, Stravinsky, Varese and Webern.

#### Textbooks

Recommended reading:  
Morgan RP. Twentieth century music. New York: Norton, 1991;  
Watkins G. Soundings: music of the twentieth century. New York: Schirmer;  
Ford A. Illegal Harmonies 1986 Sydney, Hale 1997

## MCGY2009

### Music History 6: Post 1950

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Richard Toop **Session:** Semester 2  
**Classes:** 1hr lec and 2hr tut/wk X 3 weeks, plus 2hr lec and 1hr tut/wk X 3 weeks **Assumed knowledge:** Repertoire covered in Music History 5  
**Assessment:** Either Essay (35%) and Examination (65%), OR Examination (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

Traces the essential developments in 20th century Western art music since the 2nd World War and relates them to broad changes, artistic and otherwise, in post-war society. The overview given in the lectures is reinforced by analysis of key works in the tutorials. Areas covered include: Total serialisation; experimental tendencies in American music; electro-acoustic music; open forms and textural composition; collage; minimalism; music and politics; extended instrumental techniques; East-West fusions; neo-romanticism and the emergence of a post-modern aesthetic and its extensions. Works analysed include compositions by Andriessen, Carter, Ligeti, Lutoslawski, Part, Reich, Scelsi, Stockhausen and Xenakis.

#### Textbooks

As for Music History 5 plus:  
Griffiths P. Modern music and after. London: OUP, 1996  
Schwartz E, Godfrey D. Music since 1945. New York: Schirmer, 1993

## MCGY2010

### Harmony and Analysis 3

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 1  
**Classes:** 4 lectures and 8 keyboard tutorials/semester, 1 tutorial/wk  
**Prerequisites:** MCGY1009 Harmony and Analysis 2 **Assessment:** Assignments (30%), Keyboard assessments (30%), examination (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In Semesters 1 and 2 some separation is maintained between studies in counterpoint and harmony but the emphasis here is upon drawing together those two aspects. An ideal model for this approach is offered by the chorales of J.S. Bach, which form a focus in Semester 3. Each

topic is, however, extended to embrace later styles and assignments include the writing of short piano pieces, along with chorale settings and figured-bass exercises. With the benefit of a broader harmonic vocabulary, students will also investigate some aspects of fugal technique and sonata forms.

#### Textbooks

Gauldin, Robert. Harmonic Practice in Tonal Music. 2nd Ed NY: Norton, 2004.  
Gauldin, Robert. Workbook for Harmonic Practice in Tonal Music. 2nd Ed NY: Norton, 2004.

## MCGY2011

### Harmony and Analysis 4

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 2  
**Classes:** 1 lecture, 1 tutorial/wk **Prerequisites:** MCGY2010 Harmony and Analysis 3 **Assessment:** Assignments (50%), examination (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The study of pre-20th century tonal harmony is completed with a consideration of chromatic techniques, particularly those found in the music of the first half of the 19th century. An exhaustive study of later 19th century chromaticism is beyond the scope of a course at this level, but is intended that students will at least acquire the ability to look further into the music of that period as they encounter it. In keeping with the stylistic orientation of the course, emphasis is placed upon developing facility with instrumental textures and working with some of the smaller forms found in 19th century music.

#### Textbooks

Gauldin, Robert. Harmonic Practice in Tonal Music. 2nd Ed NY: Norton, 2004.  
Gauldin, Robert. Workbook for Harmonic Practice in Tonal Music. 2nd Ed NY: Norton, 2004.

## MCGY2012

### Music History 3: 1751-1825

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Neal Peres Da Costa **Session:** Semester 1  
**Classes:** 2 lectures, 1 tutorial/wk **Assessment:** Written assignment, 2,000 - 2,500 words (30%); Listening test (20%); 2 hr exam (35%); Tutorial attendance and participation (15%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

The unit deals with European pre-classical and classical periods. Lectures and tutorials focus on the notion of classicism, and on the political, social and philosophical background of the period. Other topics include the Empfindsamer and Sturm und Drang style, and the growth of opera, symphony and string quartet with particular reference to the works of Haydn, Mozart and Beethoven. Students will attend a specified selection of classes taught within MCGY2612 Music in the Classical and Romantic Eras.

#### Textbooks

Groult D.J. and Palisca C.V. A History of Western Music. 7th ed. New York, 2006

## MCGY2013

### Music History 4: 1826-1890

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Neal Peres Da Costa **Session:** Semester 1  
**Classes:** 2 lectures, 1 tutorial/wk **Assessment:** Written assignment, 2,000-2,500 words (30%); Listening test (20%); 2 hr exam (35%); Tutorial attendance and participation (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

Traces the essential developments in European art music in the nineteenth century. The overview given in the lecture series is reinforced by analysis of key works in the tutorial. Areas studied include: music for virtuoso piano; nineteenth century lieder; Italian opera; Wagnerian music drama; the programmatic vs the absolute in symphonic music and Russian Nationalism. Works analysed include compositions by Chopin, Berlioz, Schumann, Verdi, Liszt, Brahms,



Wagner, Musorgsky and Tchaikovsky. Students will attend a specified selection of classes taught within MCGY2612 Music in the Classical and Romantic Eras.

#### Textbooks

Grout D.J. and Palisca C.V. A History of Western Music. 7th ed. New York, 2006

### MCGY2014

#### Musicology 3 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 1hr individual lesson/wk or 2hr small class tut/wk **Prerequisites:** MCGY1018 Musicology 2 (Major) **Corequisites:** MCGY1019 Musicology Workshop 1 **Assessment:** Short assignments to equivalent of 3000w (40%); major paper of 3000w normally on a topic of 18th-century music (50%); process and class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B Mus (Mus Ed), B Mus (Musicology), B Mus Studies, UG Study Abroad Program.

The emphasis in Musicology 1-4 (Major) is strongly methodological, and is directed towards training students to become increasingly self-reliant researchers, as well as assisting them in the clear and accurate presentation of their findings. Topics to some extent will relate to areas covered contemporaneously in the foundation Music History courses. Assessment is primarily based on the major written paper for each semester. In addition, the assessing tutor will normally take into account the research process and initiative demonstrated by the student throughout the semester. The paper lengths specified are a guide only and are likely to vary according to the project. Students in Musicology 1 and 2 (Major) will attend Musicology Workshop but are not required to present a major paper or enrol in that unit. From Musicology 3 (Major), students will be required to enrol and participate in Musicology Workshop as a corequisite.

### MCGY2015

#### Musicology 4 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 1hr individual lesson, OR 2hr small class tut/wk **Prerequisites:** MCGY2014 Musicology 3 (Major) **Corequisites:** MCGY1020 Musicology Workshop 2 **Assessment:** Short assignments to equivalent of 3000w (40%); major paper of 3000w normally on a topic of 19th-century music (50%); process and class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Mus (Mus Ed), B Mus (Musicology), B Mus Studies, UG Study Abroad Program.

The emphasis in Musicology 1-4 (Major) is strongly methodological, and is directed towards training students to become increasingly self-reliant researchers, as well as assisting them in the clear and accurate presentation of their findings. Topics to some extent will relate to areas covered contemporaneously in the foundation Music History courses. Assessment is primarily based on the major written paper for each semester. In addition, the assessing tutor will normally take into account the research process and initiative demonstrated by the student throughout the semester. The paper lengths specified are a guide only and are likely to vary according to the project. Students in Musicology 1 and 2 (Major) will attend Musicology Workshop but are not required to present a major paper or enrol in that unit. From Musicology 3 (Major), students will be required to enrol and participate in Musicology Workshop as a corequisite.

### MCGY2018

#### Musicology Workshop 3

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 2hr seminar/wk **Prerequisites:** MCGY1020 Musicology Workshop 2 **Corequisites:** MCGY3019 Musicology 5 (Major), or MCGY3020 Musicology 5 (Honours), or MCGY3605 Musicology 5, or MCGY3620 Musicology 5 (Hons) **Assessment:** Presentation of paper on

major study, journal, and participation (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Musicology), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

Musicology Workshop provides a forum for discussion of musicological work and is principally intended for undergraduates taking Musicology as the Principal Study. Students taking the Musicology Minor are not required to attend but are very welcome to participate as time allows, as are musicology postgraduate students. Musicology Workshop gives students the opportunity to present their work in a seminar format and to discuss issues and methodology with the whole group, gaining practice in presentation and feedback. Occasional class projects are held in which the whole group focusses on a project such as the discussion of a recent conference or performances, musicological issues or activities, or recent literature. Workshop classes may occasionally be held at other locations for attendance of special lectures or viewing of specialist collections. Students will be expected occasionally to attend other musicological activities at the Conservatorium held at different times such as Musicology Research Workshop.

### MCGY2019

#### Musicology Workshop 4

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 2hr seminar/wk **Prerequisites:** MCGY2018 Music Workshop 3 **Corequisites:** MCGY3021 Musicology 6 (Major), or MCGY3022 Musicology 6 (Honours), or MCGY3606 Musicology 6, or MCGY3622 Musicology 6 (Hons) **Assessment:** Presentation of paper on major study, journal, and participation (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Musicology), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

Musicology Workshop provides a forum for discussion of musicological work and is principally intended for undergraduates taking Musicology as the Principal Study. Students taking the Musicology Minor are not required to attend but are very welcome to participate as time allows, as are musicology postgraduate students. Musicology Workshop gives students the opportunity to present their work in a seminar format and to discuss issues and methodology with the whole group, gaining practice in presentation and feedback. Occasional class projects are held in which the whole group focusses on a project such as the discussion of a recent conference or performances, musicological issues or activities, or recent literature. Workshop classes may occasionally be held at other locations for attendance of special lectures or viewing of specialist collections. Students will be expected occasionally to attend other musicological activities at the Conservatorium held at different times such as Musicology Research Workshop.

### MCGY2600

#### Advanced Harmony

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 2 **Classes:** 2 hour seminar **Prerequisites:** MCGY2011 Harmony & Analysis 4 recommended **Assessment:** Four 25-bar musical assignments (75%); 30 minute seminar presentation (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit cannot be taken by students who have completed MCGY2000 Advanced Harmony 1 or MCGY2001 Advanced Harmony 2 except with permission of coordinator.*

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Students in this unit will observe in detail a selection of Western musical styles and the work of particular composers, applying the knowledge thus gained by writing short compositions in the relevant styles. For the student with some creative inclinations, the activity of stylistic imitation offers unique insights into the music of any period. Topics for study will be selected according to the interests of the group,

taking into account the need for a coherent and cumulative course structure.

### MCGY2603

#### Musicology 3

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 2 hr seminar **Prerequisites:** MCGY1602 Musicology 2 **Corequisites:** MCGY1019 Musicology Workshop 1 **Assessment:** Short assignments to equivalent of 3000w (40%); major paper 3000w (50%); process and class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

*Note: It is recommended that students will be concurrently enrolled in MCGY2612 Music in the Classical and Romantic Eras. Note: Students enrolled in a BMus (Mus Ed) degree are not required to enrol in MCGY1019 as a coreq.*

**Associated degrees:** B Mus (Mus Ed), B Mus (Musicology), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Musicology 3 and 4 Major continue the emphasis on development of methodological skills begun in Musicology 1 and 2, and will also continue the chronological development of music historical knowledge from Musicology 2. The continued development of methodological skills establishes a sound basis for increasing independence of thought and process. Students will work in a small group class.

### MCGY2604

#### Musicology 4

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 2 hr seminar **Prerequisites:** MCGY2603 Musicology 3 **Corequisites:** MCGY1020 Musicology Workshop 2 **Assessment:** Short assignments to equivalent of 3000w (40%); major paper 3000w (50%); process and class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

*Note: It is recommended that students will be concurrently enrolled in MCGY2613 Music in Modern Times. Note: Students enrolled in a BMus (Mus Ed) degree are not required to enrol in MCGY1020 as a coreq.*

**Associated degrees:** B Mus (Mus Ed), B Mus (Musicology), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Musicology 3 and 4 Major continue the emphasis on development of methodological skills begun in Musicology 1 and 2, and will also continue the chronological development of music historical knowledge from Musicology 2. The continued development of methodological skills establishes a sound basis for increasing independence of thought and process. Students will work in a small group class.

### MCGY2611

#### Music from the Middle Ages to Baroque

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alan Maddox **Session:** Semester 2 **Classes:** Two 1hr lectures and one 1hr tutorial **Prohibitions:** MCGY1013 Music History 1 MCGY1014 Music History 2 **Assumed knowledge:** Ability to read musical notation **Assessment:** Tutorial assignment (30%), mid-semester test (30%), exam (30%), tutorial participation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Major topics in the history of Western art music from the 9th century through to c. 1750 are discussed and viewed in a broad historical context. Beginning with Gregorian chant, the study moves through different genres, styles, developments in musical instruments, and innovations including the emergence of opera and the development of music printing. Among musical works for discussion and analysis are examples by Hildegard of Bingen, Machaut, Dufay, Josquin, Palestrina, Monteverdi, Frescobaldi, Lully, Purcell, Vivaldi, Handel and J.S. Bach.

#### Textbooks

J. P. Burkholder and C. V. Palisca. Norton Anthology of Western Music, vol. 1, 5th ed. (2006)

J. P. Burkholder, D. J. Grout, and C. V. Palisca. A History of Western Music, 7th ed. (2006)

### MCGY2612

#### Music in the Classical and Romantic Eras

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 1 **Classes:** Two 1hr lectures and one 1hr seminar **Prohibitions:** MCGY3012 Music History 3: 1751-1825 and/or MCGY2013 Music History 4: 1826-1890 **Assessment:** Written assignment, 2,000 - 3,000 words (30%); Listening test (20%); 2 hr exam (35%); Tutorial attendance & participation (15%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This is a foundation unit in the history and analysis of music, which traces the essential developments in European art music in the Classical and Romantic eras. The overview given in the lecture series is reinforced by analysis of key works in the tutorial. Lectures will include consideration of the notion of classicism and romanticism, and the political, social and philosophical background of the period. Topics will include the Empfindsamer and Sturm und Drang style; the growth of the symphony, string quartet and opera; music for virtuoso piano; Lieder; opera in the 19th century, Russian Nationalism and the programmatic vs the absolute in symphonic music.

#### Textbooks

Grout, D. J. and C. V. Palisca. A History of Western Music. 7th ed. London and New York: Norton, 2006.

### MCGY2613

#### Music in Modern Times

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Richard Toop **Session:** Semester 2 **Classes:** 3h pw, alternating 2 hr lecture + 1 hr tutorial, and 1 hr lecture and 2hr tutorial **Prohibitions:** MCGY2008 Music History 5: 1890-1950 and/or MCGY2009 Music History 6: Post 1950 **Assumed knowledge:** It is desirable that students should have a sound knowledge of 19th century music. **Assessment:** 1500-wd essay (30%), listening test (20%), 2-hr exam (40%), tutorial attendance and participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Traces the essential developments in Western art music from the very end of the 19th century to the start of the 21st, and relates them to broad socio-historical and artistic changes. The overview given in the lectures is reinforced by the analysis of key works in the tutorials. Areas covered include Late Romanticism, Impressionism, Expressionism and Free Atonality, Rhythmic Innovation, Neo-classicism. Influences from Popular Music, Serial Music, Political Music, American Experimentalism, Electro-Acoustic Music, Chance composition, Textural Composition, Minimalism, Collage and Polystylism, East-West Encounters, Neo-Romanticism and Post-Modernism. Works analysed include compositions by Andriessen, Bartok, Cage, Debussy, Messiaen, Reich, Schoenberg, Strauss, Stravinsky, Stockhausen, Varèse and Webern.

#### Textbooks

Ford A., Illegal Harmonies, Sydney, Hale, 1997.

Griffiths P, Modern music and after, Oxford : Oxford University Press, 1995

Morgan, RP. Twentieth Century Music, New York, Norton 1991

### MCGY2614

#### Musical Worlds of Today

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 1 **Classes:** 2hr lecture and 1hr tutorial **Assessment:** Essay, 1500 words (30%); online discussion and quizzes (20%); tutorial assignments and participation (20%); listening tests (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This is a Foundation unit in the History and Analysis of Music.*

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Embracing popular music and examples of traditional and contemporary music in Australia and Asia, this unit offers an introduction not only to the genres themselves, but to the themes

prevalent in the work of contemporary music scholars. These may include gender and race, ownership and appropriation, reception and transmission, technology and globalisation, music as social behaviour, and music and place. Such themes are considered across the three topic modules: Popular Music (including contemporary Aboriginal music); Traditional Music (Australia, Japan, Indonesia) and Australian Music (place and identity, from colonialism to the present day).

### MCGY2619

#### Popular Music: History, Place & Practice Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Charles Fairchild **Session:** Semester 1 **Classes:** 2 hour seminar **Prohibitions:** MCGY1006, MCGY1007, MUSC2654 **Assessment:** Essay (40%), analysis task (30%) and listening test (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit of study surveys developments in popular music from the early 1900s to the present centred around four thematic clusters: aesthetics, history, places and practices. Lectures will explore analytic techniques for non-notated music, the origins of contemporary forms of popular music as they emerged from African and European folk traditions in North America in the late 19th century. We will also analyse specific music scenes including Motown in the 60s, New York and London in the 70s, Brisbane punk and 'the Dunedin Sound.' We will also learn about the development of contemporary musical traditions such as DJ culture and formulaic pop.

### MCGY2620

#### Russian Music History Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Scott Davie **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** 6 credit points in Foundation units in the History and Analysis of Music. **Assessment:** Tutorial presentation - focus on selected compositions (500 word equivalent); Minor assessment - critical commentary on selected reading handouts (1500 words); Major assessment - essay (3500 words); Attendance and participation in discussions (500 word equivalent) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies (Hons), B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The following topics are covered over twelve classes: Introduction to important commentators, social/political history, library resources, transliteration and the Cyrillic alphabet; Early Russian composers - Bortnyansky, Verstovsky, Alyabyev, Dargomyzhsky and Glinka; The beginnings of Russian musical education - Anton Rubinstein and the establishment of the Russian Musical Society; Moguchaya kuchka - Balakirev, Cui, Borodin. The influences of Stasov and Serov; Moguchaya kuchka continues. Musorgsky and Rimsky-Korsakov; The Moscow school - Nikolai Rubinstein, Tchaikovsky, Arensky and Taneev; The later Moscow school - Rachmaninoff and Scriabin; The later St Petersburg school and the Belyayev Circle - early works of Stravinsky and Prokofiev; The Soviet Revolution - composers who choose exile: Stravinsky, Rachmaninoff, Medtner, Prokofiev, Glazunov; Russian arts under Commissar Lunarcharsky - the debate between the avant-garde and the collectivist composers (ACM & RAPM); The Soviet Big-Five - Prokofiev, Myaskovsky, Kabalevsky, Khachaturian and Shostakovich; Lady Macbeth and the consequences of 1936; The War Symphonies; From Repression towards Liberalisation - Zhdanov, the purge of 1948, and the death of Stalin; Khrushchev and the abolition of the Cult of Personality; a new avant-garde.

#### Textbooks

A reading list of around 30 titles (all held by the library) is distributed in the first class as a guide to resources that may be required in writing the essay. There are weekly reading handouts ranging from 800-3000 words.

### MCGY2631

#### Historical Performance Practice Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alan Maddox **Session:** Semester 1 **Classes:** 2 x 2hr workshops **Assumed knowledge:** It is recommended that participants will have completed MCGY2611 Music from the Middle Ages to the Baroque. **Assessment:** Research projects including a group performance (40%); Written report (30%); participation & progress (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study cannot be taken by students who have completed ORGN1002 Early Music Seminar 1 or ORGN1003 Early Music Seminar 2 except with permission of the coordinator.*

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

Lectures, workshop activities, and group projects develop understanding and skills in historically informed interpretation and performance of music. Selected performance practice problems in a range of musical repertoire from the medieval to baroque periods will be studied, with content emphasizing the performance issues of baroque music. This unit of study will be of interest to students who specialise in early music, who perform early music on modern instruments, or who simply want to extend their general musical knowledge and experience, irrespective of their principal study.

### MCGY3001

#### Advanced Aural 2 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 1 **Classes:** One 2hr seminar/wk for 6 weeks **Prerequisites:** MCGY2005 Aural Perception 4 **Assessment:** Homework assignments (15%) and topic-based tests (85%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, UG Study Abroad Program.

This unit will build on techniques studied in Aural Perception 1-4. Topics will include complex rhythms, counterpoint, advanced atonal work and specific periods or composers. Students will attend six classes taught within MCGY3600 Advanced Aural.

### MCGY3008

#### Contemporary Studies 2 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 1 **Classes:** One 2hr seminar/wk for 6 wks **Prerequisites:** MCGY2009 Music History 6 or MCGY2614 Musical Worlds of Today or MCGY2613 Music in Modern Times **Assessment:** Written assignment (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

Contemporary Studies 2 is presented as a subset of the MCGY 3640 Contemporary Studies. Students will be required to nominate 6 areas of study from the following topics: Nature as a metaphor for music, Music as noise, Microtonality, Process music, The perception of time, The open form, Music as language, Pastiche and allusion, Art music and its others, Music and the body, and Multimedia arts practice.

### MCGY3019

#### Musicology 5 (Major) Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 1hr individual lesson/wk or small group tuition. **Prerequisites:** MCGY2015 Musicology 4 (Major) **Corequisites:** MCGY2018 Musicology Workshop 3 **Assessment:** Assignments/presentation to equivalent of 2000w (20%); Major paper of about 4000 (70%), research process throughout the semester (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Musicology), B Mus Studies, UG Study Abroad Program.

Musicology 5 and 6 (Major and Honours) lead to a greater degree of autonomy and specialisation. Each student prepares one major paper each semester, and is expected to participate to an increasing extent in the selection and definition of research topics. Attention is given to the criteria which lead to the definition of fruitful research areas, and to the discipline required to conduct independent study within

prescribed time limits. Assessment is based primarily on the major paper in its final submitted form. In addition the assessing tutor will normally take into account the research process and initiative demonstrated by the students throughout the semester. Honours students will normally be encouraged to acquire a reading knowledge of a major European language if they do not already have such knowledge.

Students taking the major as part of the BMusStudies may apply to undertake a single substantial paper in the third year instead of the usual structure of a different paper for each of Musicology 5 and 6.

### MCgy3020

#### Musicology 5 (Honours)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 1hr individual lesson/wk or small group tuition. **Prerequisites:** MCGY2015 Musicology 4 (Major) **Corequisites:** MCGY2018 Musicology Workshop 3 **Assessment:** Major paper of about 4000w (70%), reading assignment or equivalent to 2000w (20%), research process (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** UG Study Abroad Program.

Musicology 5 and 6 (Major and Honours) lead to a greater degree of autonomy and specialisation. Each student prepares one major paper each semester, and is expected to participate to an increasing extent in the selection and definition of research topics. Attention is given to the criteria which lead to the definition of fruitful research areas, and to the discipline required to conduct independent study within prescribed time limits. Assessment is based primarily on the major paper in its final submitted form. In addition the assessing tutor will normally take into account the research process and initiative demonstrated by the students throughout the semester. Honours students will normally be encouraged to acquire a reading knowledge of a major European language if they do not already have such knowledge. Students taking the major as part of the BMusStudies may apply to undertake a single substantial paper in the third year instead of the usual structure of a different paper for each of Musicology 5 and 6.

### MCgy3021

#### Musicology 6 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 1hr individual lesson/wk or small group tuition. **Prerequisites:** MCGY3019 Musicology 5 (Major) **Corequisites:** MCGY2019 Musicology Workshop 4 **Assessment:** Assignments/presentation to equivalent of 2000w (20%); Major paper of about 4000 (70%), research process throughout the semester (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Musicology), B Mus Studies, UG Study Abroad Program.

Musicology 5 and 6 (Major and Honours) lead to a greater degree of autonomy and specialisation. Each student prepares one major paper each semester, and is expected to participate to an increasing extent in the selection and definition of research topics. Attention is given to the criteria which lead to the definition of fruitful research areas, and to the discipline required to conduct independent study within prescribed time limits. Assessment is based primarily on the major paper in its final submitted form. In addition the assessing tutor will normally take into account the research process and initiative demonstrated by the students throughout the semester. Honours students will normally be encouraged to acquire a reading knowledge of a major European language if they do not already have such knowledge. Students taking the major as part of the BMusStudies may apply to undertake a single substantial paper in the third year instead of the usual structure of a different paper for each of Musicology 5 and 6.

### MCgy3022

#### Musicology 6 (Honours)

### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 1hr individual lesson/wk or small group tuition. **Prerequisites:** MCGY3020 Musicology 5 (Honours) **Corequisites:** MCGY2019 Musicology Workshop 4 **Assessment:** Major paper of about 4000w (70%), reading assignment or equivalent to 2000w (20%), research process (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** UG Study Abroad Program.

Musicology 5 and 6 (Major and Honours) lead to a greater degree of autonomy and specialisation. Each student prepares one major paper each semester, and is expected to participate to an increasing extent in the selection and definition of research topics. Attention is given to the criteria which lead to the definition of fruitful research areas, and to the discipline required to conduct independent study within prescribed time limits. Assessment is based primarily on the major paper in its final submitted form. In addition the assessing tutor will normally take into account the research process and initiative demonstrated by the students throughout the semester. Honours students will normally be encouraged to acquire a reading knowledge of a major European language if they do not already have such knowledge. Students taking the major as part of the BMusStudies may apply to undertake a single substantial paper in the third year instead of the usual structure of a different paper for each of Musicology 5 and 6.

### MCgy3023

#### Musicology Workshop 5

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 2hr seminar/wk **Prerequisites:** MCGY2019 Musicology Workshop 4 **Corequisites:** MCGY4002 Musicology 7 (Major), or MCGY4003 Musicology 7 (Honours), or MCGY4607 Musicology 7 **Assessment:** Presentation of one or more papers on major study, journal, and participation (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Musicology), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

Musicology Workshop provides a forum for discussion of musicological work and is principally intended for undergraduates taking Musicology as the Principal Study. Students taking the Musicology Minor are not required to attend but are very welcome to participate as time allows, as are musicology postgraduate students. Musicology Workshop gives students the opportunity to present their work in a seminar format and to discuss issues and methodology with the whole group, gaining practice in presentation and feedback. Occasional class projects are held in which the whole group focuses on a project such as the discussion of a recent conference or performances, musicological issues or activities, or recent literature. Workshop classes may occasionally be held at other locations for attendance of special lectures or viewing of specialist collections. Students will be expected occasionally to attend other musicological activities at the Conservatorium held at different times such as Musicology Research Workshop.

### MCgy3024

#### Musicology Workshop 6

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 2hr seminar/wk **Prerequisites:** MCGY3023 Musicology Workshop 5 **Corequisites:** MCGY4004 Musicology 8 (Major) **Assessment:** Presentation of one or more papers on major study, journal, and participation (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Musicology), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, UG Study Abroad Program.

Musicology Workshop provides a forum for discussion of musicological work and is principally intended for undergraduates taking Musicology as the Principal Study. Students taking the Musicology Minor are not required to attend but are very welcome to participate as time allows, as are musicology postgraduate students. Musicology Workshop gives

students the opportunity to present their work in a seminar format and to discuss issues and methodology with the whole group, gaining practice in presentation and feedback. Occasional class projects are held in which the whole group focusses on a project such as the discussion of a recent conference or performances, musicological issues or activities, or recent literature. Workshop classes may occasionally be held at other locations for attendance of special lectures or viewing of specialist collections. Students will be expected occasionally to attend other musicological activities at the Conservatorium held at different times such as Musicology Research Workshop.

### MCGY3033

#### Debussy 2

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 1 **Classes:** 2 hr seminar/wk for 6 weeks **Prerequisites:** MCGY3006 Debussy 1 **Prohibitions:** MCGY3633 Debussy. **Assumed knowledge:** It is recommended that students have taken Aural Perception 3 and Harmony 3. **Assessment:** Listening test (30%), seminar contribution (20%) and one 2000 word essay (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

The course covers the musical scene in Paris, the literature and painting with which Debussy was fascinated, his aesthetic, his musical language, and questions of performance practice. Works to be studied include the Images for orchestra, Jeux and representative examples of the piano works, songs and chamber music. Students will attend 6 two-hour seminars. Taught with MCGY3633 Debussy.

### MCGY3034

#### Writing Skills for Music Professions

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 2 **Classes:** 1 hr seminar/wk **Assessment:** Portfolio of short written assignments (60%), weekly assignments and seminar attendance (10%), concert reviews (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit is intended to provide students with opportunities to develop writing and research skills essential for the preparation of properly researched and well-written program notes for recitals and concerts, 'liner' notes suitable for professional music recordings and short articles appropriate for publication as concert or recording reviews. It is especially designed for students who wish to be considered for the Principal Study (Honours) strand of the BMus(Performance) program, but students will also be introduced to broader issues, including music criticism, music and information technologies, music publishing and music copyright. For further information contact Dr J. Shaw (Musicology).

### MCGY3037

#### Romanticism and the Fantastic 2

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 1 **Classes:** One 2hr seminar/wk for 6 weeks **Assessment:** One article summary (30%); one assignment (60%); class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

This course principally explores musical Romanticism in the latter half of the 19th and early 20th centuries. The further expansion of literary, harmonic and virtuosic influences will be examined in the works of composers including Brahms, Wolf, Tchaikovsky, Mahler and Schoenberg. The course will conclude with a detailed study of dramatic works by composers from Weber to Strauss in response to a variety of texts. Students will attend six classes taught within MCGY3629 Romanticism & The Fantastic.

### MCGY3045

#### Musicology 5 (Minor)

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One half-hr tuition or one 1hr small class tut/wk **Prerequisites:** MCGY2024 Musicology 4 (Minor) **Assessment:** 3000w paper (100%), or equivalent short essay and assignment(s) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Topics for study are chosen according to student interest with the guidance of the tutor but may be limited by the availability of suitable supervision. It is recommended that for a student taking more than two semesters of Musicology Minor, historical topics be chosen from different periods of music history in such a way that no more than two semester topics are from the same period. Furthermore, a student hoping to transfer to Musicology Major or planning to undertake the Minor for two or more years is advised to undertake topics in their first three semesters similar to those being covered in the first year of the Major.

### MCGY3046

#### Musicology 6 (Minor)

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One half-hr tuition or one 1hr small class tut/wk **Prerequisites:** MCGY3045 Musicology 5 (Minor) **Assessment:** 3000w paper (100%), or equivalent short essay and assignment(s) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Topics for study are chosen according to student interest with the guidance of the tutor but may be limited by the availability of suitable supervision. It is recommended that for a student taking more than two semesters of Musicology Minor, historical topics be chosen from different periods of music history in such a way that no more than two semester topics are from the same period. Furthermore, a student hoping to transfer to Musicology Major or planning to undertake the Minor for two or more years is advised to undertake topics in their first three semesters similar to those being covered in the first year of the Major.

### MCGY3600

#### Advanced Aural

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 1 **Classes:** 2 hour seminar **Prerequisites:** MCGY2005 Aural Perception 4 **Assessment:** Five listening tests/assignments (10% each); two solfège tests (10% each); final exam (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit cannot be taken by students who have completed MCGY3000 Advanced Aural 1 or MCGY3001 Advanced Aural 2 except with permission of coordinator.*

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit builds on the techniques studied in Aural Perception 1-4 and aims to develop listening and sight-singing skills to a more advanced level. The course will strike a balance between analytical, dictation and solfège exercises across a wide range of repertoire. Students will also have the opportunity to suggest particular types of work they would like to pursue.

### MCGY3605

#### Musicology 5

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 2 hr seminar **Prerequisites:** MCGY2604 Musicology 4 **Corequisites:** MCGY2018 Musicology Workshop 3 BMus(MusEd) no corequisite **Assessment:** Assignments/presentation to equivalent of 2000w (20%); Major paper of about 4000 (70%), research process throughout the semester (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Musicology), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

The work of Musicology 5 and 6 is intended to build on the methodological foundations of the previous semesters and develop the student's capacity for more independent study and research. A broader view of the discipline and its fields will be developed. In Musicology 5 topics in ethnomusicology are a likely focus.

### MCGY3606

#### Musicology 6

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 2 hr seminar **Prerequisites:** MCGY3605 Musicology 5 **Corequisites:** MCGY2019 Musicology Workshop 4 BMus(MusEd) no corequisite **Assessment:** Assignments/presentation to equivalent of 2000w (20%); Major paper of about 4000 (70%), research process throughout the semester (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Musicology), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

The work of Musicology 5 and 6 is intended to build on the methodological foundations of the previous semesters and develop the student's capacity for more independent study and research. A broader view of the discipline and its fields will be developed.

### MCGY3620

#### Musicology 5 (Honours)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** 1:1 tuition; attendance at Musicology 5 class as agreed **Prerequisites:** MCGY2604 Musicology 4 **Corequisites:** MCGY2018 Musicology Workshop 3 **Assessment:** Assignments/presentation to equivalent of 2000w (20%); Major paper of about 4000w (70%); research process throughout the semester (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Musicology).

Musicology 5 (Hons) and 6 (Hons) build on the methodological foundations of the earlier semesters to develop the student's capacity for advanced study, and independent and original research. A broader view of the discipline and its fields will be developed, and in Musicology 5 (Hons) topics in ethnomusicology are a likely class focus.

### MCGY3622

#### Musicology 6 (Honours)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** 1:1 tuition; attendance at Musicology 6 class as agreed **Prerequisites:** MCGY3620 Musicology 5 (Hons) **Corequisites:** MCGY2019 Musicology Workshop 4 **Assessment:** Assignments/presentation to equivalent of 2000w (20%); Major paper of about 4000w (70%); research process throughout the semester (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Musicology).

Musicology 5 (Hons) and 6 (Hons) build on the methodological foundations of the earlier semesters to develop the student's capacity for advanced study, and independent and original research. A broader view of the discipline and its fields will be developed, and in Musicology 5 (Hons) topics in ethnomusicology are a likely class focus.

### MCGY3629

#### Romanticism and The Fantastic

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 1 **Classes:** 2 hour seminar **Assessment:** Three article summaries (10% each), 30 minute seminar presentation (30%), final research assignment (30%), class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit cannot be taken by students who have completed MCGY3029 Romanticism and the Fantastic 1 and MCGY3037 Romanticism and the Fantastic 2 except with permission of coordinator.*

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This course explores Romanticism in music through an examination of the literature, art and architecture that inspired it. The responses of composers including Schubert, Schumann, Berlioz, Wolf, Mahler, Strauss and Schoenberg to writers such as Shakespeare, Goethe, Byron and Hoffmann will be studied along with the instrumental writing of Beethoven, Paganini, Chopin and Liszt.

### MCGY3633

#### Debussy

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 1 **Classes:** 2 hr seminar **Assumed knowledge:** It is recommended that students have some background in late-nineteenth- and early twentieth-century western art music harmony and/or history **Assessment:** Prepared listening test 1 hr (20%); 2 spoken presentations (20%); Weekly journal (20%); progress report and 3000 word essay (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit cannot be taken by students who have completed MCGY3006 Debussy 1 or MCGY3033 Debussy 2 except with permission of coordinator.*

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The unit of study covers the musical scene in Paris and the fin-de-siecle music, literature and visual arts that influenced Claude Debussy's compositions and critical writings. Debussy's aesthetic, his musical language and questions of performance practice will be considered. Works to be studied include the Images for orchestra, Jeux, Prelude a l'apres-midi d'un faune, Pelleas et Melisande, La mer and representative examples from his piano works, songs and chamber music.

### MCGY3639

#### Mahler, Schoenberg and the Modern Age

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 2 **Classes:** 2 hr seminar per week x 12 weeks **Prerequisites:** It is recommended that students have some background in/knowledge of late 19th Century harmonic practice **Assumed knowledge:** It is strongly recommended that students have taken Aural Perception 3 (completion of Aural Perception 4 is desirable) and 12 cpts in Foundation units in Studies in the History and Analysis of Music, or that they have a broad understanding of late 19th C and early-mid 20thC Western Art music styles, genres and harmonic language. **Assessment:** one 3000 word written assignment (50%), one listening test (20%), weekly reading and listening journal and seminar participation (10%) and an oral presentation in class of an analysed or researched work (20%). The written assignment may take the form of an essay, an analysis or rehearsal/research notes. The oral presentation can be a 10-15 minute spoken presentation or a performance. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit of study concentrates on discussion and analysis of Gustav Mahler's and Arnold Schoenberg's musical compositions in the context of their involvement in artistic, literary and musical circles in Vienna, Berlin and the United States. Works to be studied include selections from Mahler's ten symphonies, many songs and Das Lied von der Erde and Schoenberg's strong quartets, chamber symphonies, tonal and atonal songs, dramatic works, The Book of the Hanging Gardens, Pierrot Lunaire and the Gurrelieder.

### MCGY3640

#### Contemporary Studies

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Lewis Cornwell **Session:** Semester 1, Semester 2 **Classes:** 2 hour seminar **Prerequisites:** MCGY2613 Music in Modern Times or MCGY2009 Music History 6: Post 1950 **Assessment:** Essay, 3000 words (60%); Journal and participation, including online discussion and concert review (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

*Note: This unit cannot be taken by students who have completed MCGY3007 Contemporary Studies 1 or MCGY3008 Contemporary Studies 2 except with permission of coordinator.*

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Contemporary Studies is about the music of today. Contemporary Studies challenges perceptions of the nature of music through the analysis and discussion of recent music. Contemporary Studies familiarises students with a range of aesthetic premises apparent in recent music and develops the students' critical and analytical skills with regards the philosophical ramifications of such premises. This unit of study also seeks to enable students to draw connections between the issues of today's music with that of the past and to that of other contemporary forms of cultural expression. Topic areas covered in this unit of study include: Nature as a metaphor for music, Music as noise, Microtonality, Process music, The perception of time, The open form, Music as language, Pastiche and allusion, Art music and its others, Music and the body, and Multimedia arts practice.

Each topic area will be illustrated by relevant musical examples and literature. Contemporary Studies will enable students to make critical and informed judgements concerning their future contribution to the world of new music be it in performance, composition, musicology or education.

### MCGY4002

#### Musicology 7 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 1hr individual lesson/wk or small group tuition. **Prerequisites:** MCGY3021 Musicology 6 (Major) **Corequisites:** MCGY3023 Musicology Workshop 5 **Assessment:** Research proposal and literature review by mid semester (50%); research progress and writing by end of semester (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Musicology).

Musicology Major 7 and 8 form the culmination of the Major in Musicology. Drawing on experience gained in previous years and continuing to develop skills, the student will work on a single project throughout the two semesters. The project topic will be proposed by the student and approved by the Musicology Unit. The outcome will be a research paper of 10,000-12,000 words. Work will be undertaken with the guidance of a supervisor designated by the Musicology Unit. The student will also be enrolled concurrently in Musicology Workshop 5 and 6 in which reports or papers drawing from the research will be presented.

### MCGY4003

#### Musicology 7 (Honours)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 1hr individual lesson/wk **Prerequisites:** MCGY3022 Musicology 6 (Honours) **Corequisites:** MCGY3023 Musicology Workshop 5 **Assessment:** Work-in-progress including a formal research proposal in preparation for the thesis to be presented at the end of Musicology 8 (Honours) (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

Musicology Honours 7 and 8 represent the culmination of the Honours stream of the Bachelor of Music (Musicology). During these two semesters the student will write a thesis demonstrating the skills and intellectual autonomy developed during this and the preceding years. The thesis topic will be proposed by the student and approved by the Musicology Unit. Work will be undertaken with the guidance of a supervisor designated by the Musicology Unit. The student will also be enrolled in Musicology Workshop 5 and 6 in which reports or papers drawing from the thesis research will normally be presented twice each semester.

### MCGY4004

#### Musicology 8 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 1hr individual lesson/wk or small group tuition. **Prerequisites:** MCGY4002 Musicology 7 (Major) **Corequisites:**

MCGY3024 Musicology Workshop 6 **Assessment:** 10,000w research paper (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Musicology).

Musicology Major 7 and 8 form the culmination of the Major in Musicology. Drawing on experience gained in previous years and continuing to develop skills, the student will work on a single project throughout the two semesters. The project topic will be proposed by the student and approved by the Musicology Unit. The outcome will be a research paper of 10,000-12,000 words. Work will be undertaken with the guidance of a supervisor designated by the Musicology Unit. The student will also be enrolled concurrently in Musicology Workshop 5 and 6 in which reports or papers drawing from the research will be presented.

### MCGY4005

#### Musicology 8 (Honours)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One 1hr individual lesson/wk **Prerequisites:** MCGY4003 Musicology 7 (Honours) **Corequisites:** MCGY3024 Musicology Workshop 6 **Assessment:** 14,000-16,000w thesis of a standard suitable for submission to a refereed musicological journal (70%); public presentation based on this paper in a situation replicating the presentation of a conference paper (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

Musicology Honours 7 and 8 represent the culmination of the Honours stream of the Bachelor of Music (Musicology). During these two semesters the student will write a thesis demonstrating the skills and intellectual autonomy developed during this and the preceding years. The thesis topic will be proposed by the student and approved by the Musicology Unit. Work will be undertaken with the guidance of a supervisor designated by the Musicology Unit. The student will also be enrolled in Musicology Workshop 5 and 6 in which reports or papers drawing from the thesis research will normally be presented twice each semester.

### MCGY4047

#### Musicology 7 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One half-hr tuition or one 1hr small class tut/wk **Prerequisites:** MCGY3046 Musicology 6 (Minor) at Distinction level **Assessment:** Literature survey and written work-in-progress towards the major paper to be completed in semester 8 (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Topics for study are chosen according to student interest with the guidance of the tutor but may be limited by the availability of suitable supervision. It is recommended that for a student taking more than two semesters of Musicology Minor, historical topics be chosen from different periods of music history in such a way that no more than two semester topics are from the same period. Furthermore, a student hoping to transfer to Musicology Major or planning to undertake the Minor for two or more years is advised to undertake topics in their first three semesters similar to those being covered in the first year of the Major.

### MCGY4048

#### Musicology 8 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** One half-hr tuition or one 1hr small class tut/wk **Prerequisites:** MCGY4047 Musicology 7 (Minor) at Credit level **Assessment:** One major paper of approx. 6000 words (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Topics for study are chosen according to student interest with the guidance of the tutor but may be limited by the availability of suitable supervision. It is recommended that for a student taking more than



two semesters of Musicology Minor, historical topics be chosen from different periods of music history in such a way that no more than two semester topics are from the same period. Furthermore, a student hoping to transfer to Musicology Major or planning to undertake the Minor for two or more years is advised to undertake topics in their first three semesters similar to those being covered in the first year of the Major.

### MCGY4603

#### Musicology 7 (Honours)

##### Sydney Conservatorium of Music

**Credit points:** 12 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** 1hr individual supervision per week **Prerequisites:** MCGY3622 Musicology 6 (Hons) **Assessment:** Written research proposal to be completed normally by the sixth week of the semester (20%); progress and writing by end semester and as decided by the supervisor (50%); Musicology Workshop presentations (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in honours do not concurrently enrol in MCGY3023 Musicology Workshop 5 or MCGY3024 Musicology Workshop 6.*

**Associated degrees:** B Mus (Musicology).

Musicology 7 (Hons) and 8 (Hons) form the culmination of the Honours stream of the Bachelor of Music (Musicology). During these two semesters the student will prepare write a thesis demonstrating the skills and intellectual autonomy developed during this and the preceding years. The student will work individually with the supervision of a supervisor designated by the Musicology Unit.

#### Textbooks

Booth, W.C., et al. *The Craft of Research*. 2nd ed. Chicago: University of Chicago Press, 2003.  
The Chicago Manual of Style 15th ed. Chicago: Chicago University Press, 2003.  
Turabian, Kate L. *A Manual for Writers of Term Papers, Theses, and Dissertations*, 6th ed. Chicago: Chicago University Press, 1996.

### MCGY4605

#### Musicology 8 (Honours)

##### Sydney Conservatorium of Music

**Credit points:** 12 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** 1hr individual supervision per week **Prerequisites:** MCGY4603 Musicology 7 (Hons) **Assessment:** 1. Written thesis of 14,000-16,000 words including notes and bibliography (70%). The thesis will normally be submitted no later than the end of the week following the last week of academic classes. 2. Spoken paper of about 40 minutes (30%). The paper will normally be presented in a hall within the Conservatorium two to three weeks following submission of thesis, and will be open to public attendance. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in honours do not concurrently enrol in MCGY3023 Musicology Workshop 5 or MCGY3024 Musicology Workshop 6.*

**Associated degrees:** B Mus (Musicology).

Musicology 7 (Hons) and 8 (Hons) form the culmination of the Honours stream of the Bachelor of Music (Musicology). During these two semesters the student will prepare a thesis demonstrating the skills and intellectual autonomy developed during this and the preceding years. The student will work individually with the guidance of a supervisor designated by the Musicology Unit.

### MCGY4607

#### Musicology 7

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** Mix of one 2 hr seminar or 1:1 meeting as required **Prerequisites:** MCGY3606 Musicology 6 **Corequisites:** MCGY3023 Musicology Workshop 5 **Assessment:** Research proposal and literature review (50%); research progress and writing (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Musicology).

Musicology 7 and 8 form the culmination of the principal study stream in Musicology. Drawing on experience gained in the previous semesters and continuing to develop skills, the student will work on a single project throughout the two semesters. The project topic will be proposed by the student in discussion with the tutor and approved by the Musicology Unit. The final outcome by the end of Musicology 8 will be a research paper of about 10,000 words.

### MCGY4608

#### Musicology 8

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathleen Nelson **Session:** Semester 1, Semester 2 **Classes:** Mix of one 2 hr seminar or 1:1 meetings as required **Prerequisites:** MCGY4607 Musicology 7 **Corequisites:** MCGY3024 Musicology Workshop 6 **Assessment:** 10,000w research paper (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Musicology).

Musicology 7 and 8 form the culmination of the principal study stream in Musicology. Drawing on experience gained in the previous semesters and continuing to develop skills, the student will work on a single project throughout the two semesters. The project topic will be proposed by the student in discussion with the tutor and approved by the Musicology Unit. The final outcome by the end of Musicology 8 will be a research paper of about 10,000 words.

### MDRW1013

#### Drawing A

##### Sydney College of the Arts

**Credit points:** 2 **Teacher/Coordinator:** Oliver Smith, Foundation Coordinator **Session:** Semester 1, Semester 2 **Classes:** Lecturer contact, plus self-directed study; total of 80 hours of student effort. Classes will mostly be structured as self-directed learning exercises, and it is envisaged that students will engage with their peers and develop some useful links with other **Corequisites:** MSTD1111, MSTD1121, FRES1001, THAP1201 and THAP1211 **Assessment:** There will be a qualitative assessment grade given at the end of the semester, based on the presentation of the student's drawing in the 2 x 6-week blocks they have completed. The grades for these blocks are averaged to form the student's final assessment grade in Drawing. Students are eligible to be assessed for this program if attendance is 5 classes per block or over and students have submitted their work folders by the due date. The Drawing folio must include evidence of research and/or competency (demonstrated skills) across all areas of Drawing. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B V A, Visual Arts UG Non-Degree.

The Drawing program consists of 3 subjects: Computer Drawing, Experimental Drawing and Observational and Life Drawing. Students rotate through the year in 3 x 6-week blocks. Students may elect their preferred program to be repeated in the last 6-week block of Semester 2.

Skills developed during Foundation will form the basis of drawing skills that are expected of Second Year BVA students.

#### Textbooks

Refer to Studio Reading List.

### MDRW1014

#### Drawing B

##### Sydney College of the Arts

**Credit points:** 2 **Teacher/Coordinator:** Oliver Smith, Foundation Coordinator **Session:** Semester 1, Semester 2 **Classes:** Lecturer contact, plus self-directed study; total of 80 hours of student effort. Classes will mostly be structured as self-directed learning exercises, and it is envisaged that students will engage with their peers and develop some useful links with other **Corequisites:** MSTD1112, MSTD1123, FRES1002, THAP1202 and THAP1212 **Assessment:** There will be a qualitative assessment grade given at the end of the semester, based on the presentation of the student's drawing in the 2 x 6-week blocks they have completed. The grades for these blocks are averaged to form the student's final assessment grade in Drawing. Students are eligible to be assessed for this program if attendance is 5 classes per block or over and students have submitted their work folders by the due date. The Drawing folio must include evidence of research and/or competency (demonstrated skills) across all areas of Drawing. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B V A, Visual Arts UG Non-Degree.

The Drawing program consists of 3 subjects: Computer Drawing, Experimental Drawing and Observational and Life Drawing. Students rotate through during the year in 3 x 6-week blocks. Each student may



elect their preferred program to repeat in the last 6-week block of Semester 2.

Skills developed during Foundation will form the basis of drawing skills that are expected of Second Year BVA students.

#### Textbooks

Refer to Studio Reading List.

### MDST2607

#### Medieval Literary and Artistic Modes

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc. Prof. J Pryor **Session:** Semester 1 **Classes:** Three hours per week. **Prerequisites:** At least 18 Junior credit points from Part A of the Table of units of study, of which 12 credit points are from one subject **Assessment:** Two 1500-word essays plus a Thematic Essay of 1500 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This Unit of Study may be counted towards a Major in English*

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program.

Examines the main literary genres of medieval Europe and their cultural significance. Texts to be discussed may include chronicles, history and pseudo-history, the epic mode (including Old English, Old Norse, Old French, and Middle High German works in translation), romances of chivalry sentiment and adventure from their origins to their later adaptations throughout Europe, religious and secular lyric and dramatic works, mystical and practical devotional works, exempla, and the ubiquitous folk tale tradition. The tutorial programme focuses on selected texts in translation

#### Textbooks

The Course Guide is posted on the Web site of the Centre for Medieval Studies at: <http://www.arts.usyd.edu.au/Arts/departs/medieval/>.

### MDST2608

#### The First Crusade

##### Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three hours per week. **Prerequisites:** At least 18 junior credit points from part A of the Table of units of study of which 12 credit points are from one subject. **Prohibitions:** MDST2008 **Assessment:** Two 1500-word essays plus a Take-Home exam of 1500 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study may be counted towards a major in History*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Examines the Origins of the First Crusade and its impact on the Byzantine and Muslim worlds, social, economic, political, religious, and cultural conflicts and interactions leading up to the First Crusade. Issues examined include the problematical nature of the sources; the historical development of the three great faiths; religious attitudes to adherents to other faiths; Muslim jihad and Christian holy war; concepts of state; political institutions; social and economic contacts; the conduct of war by land and sea (including the critical issue of logistics); and intellectual contacts and influences.

#### Textbooks

The Course Guide is posted on the Web site of the Centre for Medieval Studies. Students download it from the Web site.

### MDST2610

#### Medieval Cosmology

##### Arts

**Credit points:** 6 **Session:** Semester 1 **Classes:** One 2 hour seminar per week **Prerequisites:** At least 18 junior credit points from Part A of the Table of units of study, of which 12 credit points are from one subject. **Assessment:** One 2000 word essay and one 4000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study may be counted towards a Major in History.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit examines the conception and various representations of the cosmos in Western Europe from the early Middle Ages (c.500) to the scientific revolution (c.1700). Cosmology is here taken in its broadest sense, including both the celestial and terrestrial worlds and their

interrelationships. Sources to be discussed include cosmological, astronomical, geographical, astrological and magical Latin texts (in English translation) as well as iconographical material (celestial and terrestrial maps, illuminated manuscripts, paintings, engravings, frescoes, etc.).

### MDST2613

#### Sex and Sin in the Middle Ages

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr J Ruys **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** At least 18 Junior credit points from Part A of the Table of units of study, of which 12 credit points are from one subject **Assessment:** one 2,500-word essay, one 10-minute tutorial presentation, one 1,000-word tutorial paper, class participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: this unit of study may be counted towards majors in History, French Studies, English, and European Studies*

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program.

Medieval writers produced texts concerned with the definition, experience, regulation, and even celebration of sex, the body, and gender. This unit introduces students to the ways that concepts of sexual intercourse, sexual identity, gender, and the body were depicted and regulated in medieval texts from the tenth to fifteenth centuries. Students will read in English translation Anglo-Saxon, Old Norse, Old French, Middle High German, and medieval Latin texts that illustrate the complexity of views of sex in the medieval world.

### MDST4011

#### Medieval Studies Honours A

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** A/Prof J Pryor **Session:** Semester 1, Semester 2 **Prerequisites:** Units of study to the value of at least 48 Senior credit points from Medieval Studies units of study or from cross-listed units of study (including at least two MDST units of study to the value of 12 credit points), all with a credit average **Assessment:** A thesis of around 20,000 words plus three 1-semester seminar units of study or equivalent. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Medieval Studies IV Honours is a 2-semester programme consisting of: A thesis of 15,000 - 20,000 words, written under the supervision of a member of staff nominated by the Co-ordinator and three 1-semester seminar units of study or equivalent. **Note:** It is important that prospective IV-Honours students consult the Co-ordinator to ensure that their choice of Senior-level units of study is appropriate to their intentions for IVth Year. Normally, although this may be varied in individual cases, the coursework is worth 60% of the total mark and the thesis is worth 40%.

### MDST4012

#### Medieval Studies Honours B

##### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MDST4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Refer to MDST4011.

### MDST4013

#### Medieval Studies Honours C

##### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MDST4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Refer to MDST4011.

### MDST4014

#### Medieval Studies Honours D

## Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MDST4013  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Refer to MDST4011.

## MECH1400

### Mechanical Construction

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (1hr lec & 3hr workshop) per week. **Assessment:** Final report, workshop skills/attendance; machine operation.  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

This unit aims to develop an understanding of: selected historical events; research methods; analysis techniques; application of theory and analysis to real machinery; use of machine and hand tools

At the end of this unit students will have: improved research techniques; improved analysis methods; an ability to connect history to mechanical engineering; an appreciation that they can engineer and build something that works; the opportunity to do real engineering.

This is a project based subject where students will: build their own designs; research historical developments in the area of the project selected; research into the necessary fields to fully understand and analyse the project; review and improve workshop skills; design their own version of the project; build the project in the workshop; test the completed machine.

## MECH1560

### Introduction to Mechanical Engineering

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (1hr lec, 2hrs tut, 3hrs workshop) per week **Prohibitions:** AERO1560, MTRX1701 **Assessment:** Assignments, practical work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E.

This unit aims to develop: an understanding of: the role of Mechanical or Biomedical engineers; the content of the degree structure and how the subjects are applied; a range of machining and manufacturing processes required to make mechanical components.

At the end of this unit students will be able to: work in a group; communicate effectively; recognise the engineering content of common machinery and systems; analyse simple engineering problems; demonstrate skills in machining and manufacturing methods through practical experience.

## MECH2400

### Mechanical Design 1

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (1hr Lec & two 2hr drawing office sessions) per week **Assumed knowledge:** ENGG1802, AMME2301 **Assessment:** Assignments and quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, B Sc, UG Study Abroad Program.

This unit aims for students to experience a realistic design process and to develop good engineering skills. Students will also develop an understanding of: the need for and use of standard drawings in the communication and definition of parts and assemblies; creativity: the design process from initial idea to finished product; methods used to analyse designs; standard components.

At the end of this unit students will have developed skills in: working in teams; freehand sketching and drafting practices; idea generation methods; design analysis techniques and layout; design development and testing; written and graphical communication.

*Textbooks*

Mechanical Design 1 (MECH2400) prepared by Paul McHugh

R.L.Norton, Machine Design, An Integrated Approach, 2nd Ed. (Prentice Hall)

## MECH2901

### Anatomy and Physiology for Engineers

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Lec 3hrs plus tut & lab sessions) per week. **Assumed knowledge:** A basic understanding of biology. Recommended: BIOL1003 (or equivalent) **Assessment:** Student presentation, lab reports, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims for students to gain familiarity with anatomical and physiological terms and understanding their meaning. Students should gain an understanding of the gross anatomy of the major systems in the human body and their importance in the design of biomedical devices. Students should gain an understanding of the major physiological principles which govern the operation of the human body.

At the end of this unit students will be able to: identify the gross anatomical features of the human body; describe the normal function of the major body systems (nervous, circulatory, respiratory, musculoskeletal, digestive and renal); determine how these functions relate to cellular function; determine how a biomedical engineering device affects the normal anatomy and function of the body.

Course content will include: Bone tissue; Skeletal system; Joints; Muscle Tissue; Bones & joints anatomy (prac); Muscle Mechanics; Nerve Tissue; Muscles & nerves prac; CVS Heart; Blood vessels; Respiratory System 1; Respiratory System 2; Homeostasis; CVS and Respiratory anatomy (prac); Physiology; Respiratory Physiology; Cardio-respiratory physiology (prac); Renal Anatomy; Renal Physiology; Abdominal Renal Digestive Anatomy; Digestive Physiology; Oral Presentation.

*Textbooks*

Anatomy & Physiology by RR Seeley, TD Stephens and P Tate. 7th Edition McGraw Hill Higher Education

## MECH3260

### Thermal Engineering

#### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** Lects 3hrs & one 2hr tut per week. **Prerequisites:** AMME2200 or MECH2200 or MECH2201 **Assumed knowledge:** Fundamentals of thermodynamics are needed to begin this more advanced course. **Assessment:** Lab reports, quizzes, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit aims to develop an understanding of: the principles of thermodynamic cycles, gas mixtures, combustion and thermochemistry applied to engineering processes, power and refrigeration systems; heat transfer equipment design. To classify heat transfer situations as conduction, convection, radiation, forced or natural convection. To determine the appropriate approach to problems, the type of solution needed, analytical or numerical. To be able to arrive at a solution and predict heat transfer rates and be able to design and size heat transfer equipment.

At the end of this unit students will be able to: apply the principles of thermodynamics and heat transfer to real engineering situations; have the Ability to tackle and solve a range of complex thermodynamics cycles, air conditioning, combustion, chemical equilibrium, problems involving gas mixtures; have the ability to tackle and solve a range of heat transfer problems including finned heat exchangers, cooling by fluids, quenching, insulation and solar radiation.

Course content will include: Thermodynamics: Exergy and entropy, Power: spark ignition, Power: diesel, Power: gas turbine, Power: stirling, Power: steam, Gas mixtures, Clausius-Clapeyron, Humidity, psychrometry, Air-conditioning, Combustion: stoichiometry, gas analysis, Combustion, thermochemistry, adiabatic flame, temperature Combustion, 2nd Law of Thermo., equilibrium, exergy, Heat Transfer: Conduction, thermal circuits, General conduction equation, cylindrical fins, Heat Exchangers, Numerical solutions, Unsteady conduction, Convection, analytical, Forced convection correlations, Natural

convection, boiling, Radiation spectrum, blackbody, Radiation properties and laws, Radiation environmental, solar.

#### Textbooks

Fundamentals of Thermal-Fluid Sciences, Second Edition, by Cengael and Turner, published by McGraw-Hill

### MECH3261

#### Fluid Mechanics

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1hr lec & two 1hr tut per week. Prac work one 3hr lab session **Prerequisites:** (AMME2200 or AERO2201 or MECH2202) and (MATH2061 or MATH2067 or (MATH2001 and MATH2005)) **Assessment:** Assignments, quizz, report, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit aims to provide students with a detailed understanding of the theory and practice of fluid mechanics in the context of mechanical engineering.

At the end of this unit students will have the ability to critically assess and solve problems commonly found in fluid mechanics practice, such as sizing pumps and piping systems, designing channels, and determining the lift and drag characteristics of submerged bodies. Additionally, they will develop a structured and systematic approach to problem solving.

Course content will include:

Navier-Stokes equations: derivation, significance and fundamental importance.

Pipe flow: Bernoulli, shear losses, minor losses, networks.

Pumps: pump types, characteristics, applications.

Flow around a submersed bodies: lift and drag

Boundary layers: derivation of equations, laminar and turbulent, transition, momentum integral method, law of the wall, velocity profiles.

Turbulence: concept, properties of turbulent flow, eddy viscosity models, more advanced approaches.

Channel flow: flow in a channel, weir, hydraulic jump

Gas dynamics: steady one-dimensional flow including friction and heat transfer, sound waves, normal shock, nozzle flow, shock tube.

#### Textbooks

Fox & McDonald, Intro to Fluid Mechanics (Wiley)

### MECH3361

#### Mechanics of Solids 2

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** Lec 3hrs & Tut 2hrs per week and 6hrs lab work per semester **Prerequisites:** AMME2301 or AERO2300 or MECH2300; MATH2061 or MATH2067 or MATH2005 **Assessment:** Assignments, group lab report, quizzes, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit of study aims to: teach the fundamentals of analyzing stress and deformation in a solid under complex loading associated with the elemental structures/components in aerospace, mechanical and biomedical engineering; develop the following attributes: understand the fundamental principles of solid mechanics and basic methods for stress and deformation analysis of a solid structure/element in the above mentioned engineering areas; gain the ability to analyze problems in terms of strength and deformation in relation to the design, manufacturing and maintenance of machines, structures, devices and elements in the above mentioned engineering areas.

At the end of this unit students will have a good understanding of the following: applicability of the theories and why so; how and why to do stress analysis; why we need equations of motion/equilibrium; how and why to do strain analysis; why we need compatibility equations; why Hooke's law, why plasticity and how to do elastic and plastic analysis; how and why to do mechanics modeling; how to describe boundary conditions for complex engineering problems; why and how to solve a mechanics model based on a practical problem; why and how to use energy methods for stress and deformation analysis; why and how to introduce plates and shells and how to do analysis for

plate and shell structures; why and how to do stress concentration analysis and its relation to fracture and service life of a component/structure; how and why to do fundamental plastic deformation analysis; how and why the finite element method is introduced and used for stress and deformation analysis. The ultimate outcome is that the students have the ability to solve engineering problems by comprehensively using the skills attained above.

### MECH3362

#### Materials 2

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1hr lec & two 1hr tut per week **Prerequisites:** (AMME2302 or MECH2300) and (AMME2301 or AERO2300) **Assessment:** Assignments, quizzes and examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims for students to understand the relationship between properties of materials and their microstructures and to improve mechanical design based on knowledge of mechanics and properties of materials.

At the end of this unit students should have the capability to select proper materials for simple engineering design.

Course content will include: short-term and long-term mechanical properties; introductory fracture and fatigue mechanics, dislocations; polymers and polymer composite materials; ceramics and glasses; structure-property relationships; selection of materials in mechanical design.

#### Textbooks

William D. Gallister, Jr., Materials Science and Engineering-An Introduction, 6th edition, John Wiley & Sons, 2003.

Norman E. Dowling, Mechanical Behaviour of Materials, 2nd edition, Prentice Hall, 1999.

#### Reference books

Thomas H. Courtney, Mechanical Behavior of Materials, McGraw Hill, 2000.

Michael F. Ashby and David R.H. Jones, Engineering materials 1: an introduction to their properties and applications, 2nd edition, Butterworth-Heinemann, 1996.

Michael F. Ashby and David R.H. Jones, Engineering materials 2 : an introduction to microstructures, processing and design, 2nd edition, Butterworth Heinemann, 1998.

Michael F. Ashby, Materials selection in mechanical design, 2nd edition, Butterworth-Heinemann, 1999.

### MECH3460

#### Mechanical Design 2

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** Lec 2hrs & Tut 2hrs per week **Prerequisites:** MECH2400 **Assumed knowledge:** (ENGG1802 or PHYS1001 or PHYS1901) and AMME2301 and AMME2500 **Assessment:** Assignments and quiz. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, B S T, UG Study Abroad Program.

This unit aims to apply some newly acquired skills to begin to understand how stress and strain are distributed in the more common categories of machine parts. Reducing the loads in standard parts to just the most significant, leads to a range of relatively simple analyses. By using different degrees of simplification and a proportional amount of effort, the examination of components can provide results of corresponding accuracy. To lead the student to utilize and be aware of modern computer methods, to be aware of past methods and be prepared of future developments. Not all the analysis of mechanical components are covered in the course but the ones that are deal with exemplify principles that can be applied to novel items that our graduates may encounter in their professional life.

At the end of this unit students will be able to: calculate the weld thickness at a welded joint that is required to carry any combination of loads and apply fatigue life prediction in general to any component; design a bolted joint to carry tensile and or shear loads: use a numerical solver to arrive at the optimal dimensions of a component, given its loads and sufficient boundary conditions; design shafts to carry specified steady and alternating bending moments and torques; design and construct a space frame, such as that for a dune buggy, to meet requirements of strength and rigidity; be able to arrive at the

principle parameters of a pair of matched spur gears, and to be able to extend this to helical gears.

Course content will include: stress and strain in engineering materials; yield and ultimate fail conditions in malleable and brittle materials; spatial, 3D frameworks; deflections due to forces, moments and torques.

*Textbooks*

R.L. Norton, Machine Design, An Integrated Approach, 2nd Ed. (Prentice Hall)

### MECH3660

#### Manufacturing Engineering

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** Lec 2hrs & Tut 2hrs per week  
**Prerequisites:** (MECH1560 or MTRX1701 or MECH1751 or ENGG1800 or ENGG1804) and (ENGG1802 or PHYS1001 or PHYS1901) **Assumed knowledge:** AMME2200, AMME2301, AMME2302, (MATH2061 or MATH2067) **Assessment:** Assignments, group lab report, quizzes, industrial visit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

The unit aims to teach the fundamentals of manufacturing processes and systems in mechanical, mechatronic and biomedical engineering, including traditional and advanced manufacturing technologies. This unit aims to develop the following attributes: to understand the fundamental principles of manufacturing technologies for the above mentioned engineering areas; to gain the ability to select existing manufacturing processes and systems for direct engineering applications; to develop ability to create innovative new manufacturing technologies for advanced industrial applications; to develop ability to invent new manufacturing systems

At the end of this unit students will have a good understanding of the following: merits and advantages of individual manufacturing processes and systems; principles of developing new technologies; comprehensive applications and strategic selection of manufacturing processes and systems.

Course content will include:

Manufacturing Processes: Common processes and their science (machining, casting, powder metallurgy, metal working, welding, polymer processing and composite manufacture); merits and limitations; NC and CAM; Introduction to advanced processes (sensor and actuator, IC, intelligent robots and biomedical and nano-technological device).

Manufacturing Systems: Economics in manufacturing; flexible manufacturing; just-in-time manufacturing; group technology; materials selection and requirements planning; quality control; introduction to new technology; introduction to e-manufacturing; human factors; plant layout.

### MECH3661

#### Engineering Management

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** One 2hr lec and one 2hr tut per week. **Assumed knowledge:** ENGG1803 **Assessment:** Assignment, group work, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to: develop an understanding of the principles and practices of industrial and engineering management; provide an understanding of the theoretical and practical issues facing an industrial organisation and the fundamental approaches to their management; understand the ethical, social, economic and environmental contexts of professional engineering within an industrial organization. The attributes that will be developed in this unit of study are consistent with the development of scholarship, global citizenship and lifelong learning.

At the end of this unit students will be able to: understand the fundamental approaches to industrial management; apply a range of these approaches in class experiences and assessment tasks; practice and appreciate the effective management of workgroups; understand the importance of effective design and management of human systems in managing organisational and professional issues; develop an ethical

approach to dealing with professional issues of an economic, social or environmental nature; enhance competence and confidence in oral and written communication.

The concepts covered in this unit are from the following management areas:

Engineers and Management - including ethics, Communication and People in Organisations, Economics, Leadership, Strategic Management, Managerial Decision Analysis, Marketing, Business Planning, Legal Environment of Business, Industrial Hazard Management, Human Resource Management, Project Management, Quality Assurance and Management, Operations Management, and Financial Management.

This broad range of topics is covered so as to familiarise students with the fundamental areas of managerial practice that they can be expected to become professionally proficient in.

*Textbooks*

D Samson, Management for Engineers 2001 (4th ed) Prentice Hall

### MECH3921

#### Biomedical Design and Technology

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (4hrs lec, tut and site visits) per week **Assumed knowledge:** BIOL1003; MECH2901 or MECH2900; MECH2400 **Assessment:** Assignment, quizzes, design project. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to give students an understanding of the Australian and International biomedical industry and in the development, manufacture and uses of biomedical engineering products in therapeutic, rehabilitation and clinical settings. Students will gain an understanding of the process of biomedical regulation in Australia and other major international markets as well as the entire process of creating a new biomedical engineering product, from design through to marketing and monitoring of the product. Students will design a biomedical device including the preparation of a detailed design brief.

This will be done as a team project. Each team will work on a specific biomedical design project following formal design protocols, including design control, regulatory considerations, and commercialisation/IP considerations.

Course content will include:

- Biomedical Design: A team design project on a medical device.
- Intellectual Property in the biomedical industry.
- Biomedical devices and technology.
- Regulatory and clinical considerations in the biomedical industry.
- Commercialisation strategies in the biomedical industry.
- The Australian biomedical industry - an overview. Includes site visits.
- The global biomedical industry - an overview.

### MECH4241

#### Energy and the Environment

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (2hrs lec, 3hrs tut)/week. **Prerequisites:** 24 credit points of third year units of study **Assessment:** Project report, quizz, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Fourth year elective unit of study.*

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to acquaint students with the methods engineers use to assess and deal with the environmental consequences of industry and other human activities, with particular emphasis on impact assessment and noise.

At the end of this unit students will be able to carry out economic and environmental impact analyses for energy systems.

Course content will include: economic analysis of energy systems; urban air pollution; ozone hole and greenhouse problems; waste disposal, water pollution; Montreal Protocol; Rio and Kyoto Accords;

Sustainable energy; renewable energy; energy efficiency; CO2 capture and sequestration; other emerging control technologies.

#### Textbooks

Preliminary reading can be made on the web at [www.ieagreen.org.uk](http://www.ieagreen.org.uk).

### MECH4255

#### Air Conditioning and Refrigeration Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hrs lec/tut per week  
**Prerequisites:** MECH3260 **Assessment:** Assignments, quizzes, project, examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to develop a practical understanding of air conditioning and refrigeration applications.

At the completion of this unit students will be able to determine thermal loads on structures and design an airconditioning or refrigeration system with attention to air distribution and energy consumption.

Course content will include: applied psychrometrics, air conditioning systems, design principles, comfort in the built environment, cooling load calculations, heating load calculations, introduction and use of computer-based load estimation packages software, air distribution, fans, ducts, air conditioning controls, refrigeration cycles, evaporators, condensers, cooling towers, compressors, pumps, throttling devices, piping, refrigerants, control, refrigeration equipment, stimulation of refrigeration systems, food refrigeration and industrial applications; use of CFD packages as tools to simulate flows in building and to optimise air conditioning design, energy estimation methods and software, energy management in buildings.

### MECH4265

#### Combustion Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3 hours lec/tut per week  
**Prerequisites:** MECH3260 **Assessment:** Assignments, quizzes, project, examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: 4th Year elective unit of study*

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to give students a basic understanding of combustion and some of its applications such as internal combustion engines, gas turbines and fires.

At the completion of this unit students will be able to perform an analysis of simple reacting systems. The theory underlying laminar and turbulent combustion will be covered for both premixed and non-premixed cases. Students will be able to perform calculations of the structure of simple flames.

Course content will include an introduction to droplet combustion, detailed chemical kinetics including the formation of pollutant, the concept of mixture fraction and combustion in engines, furnaces and gas turbines. Fire ignition, growth and spread will also be covered with respect to safety in buildings including the hazards related to the formation of smoke and toxic products.

#### Textbooks

Fire Engineering Guidelines, Fire Code Reform Centre;  
 1996 SFPE Handbook of Fire Protection Engineering, NFPA 2002;  
 An Introduction to Fire Dynamics, Drysdale, Wiley, 1998;  
 Combustion Fundamentals of Fire ed. Cox, 1995;  
 An Introduction to Combustion, Turns, McGraw-Hill, 2000;  
 Principles of Combustion, Kuo, Wiley, 1986;  
 Fundamentals of Heat and Mass Transfer, Incropera and De Witt, Wiley, 1996.

### MECH4310

#### Advanced Engineering Materials Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (2hrs lec & 3hrs tut/lab) per week  
**Prerequisites:** MECH3300 or MECH3362 **Prohibitions:** MECH4315 Advanced Aerospace Materials. **Assessment:** Quiz, presentation, report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Fourth year elective unit of study.*

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study aims for students to understand: how to define the relationship between properties and microstructures of advanced engineering materials; how to improve mechanical design with the knowledge of mechanics and properties of materials; how to conduct failure diagnosis of engineering structures.

At the end of this unit students should be able to: define structure-property relationships of advanced engineering materials; improve the performance of engineering structures through tailoring materials microstructure and manufacturing processes; conduct failure diagnosis of simplified failure cases of engineering structures.

Course content will include: advanced ceramics, superalloys, shape memory alloys and polymers, advanced polymer matrix composites, piezoceramic materials, thin film science and technology, advanced joining methods, processing-structure-property relationship, damage tolerance, structure integrity and reliability, toughening mechanisms.

#### Textbooks

Lecture notes  
 Reference books  
 Ashby, Materials Selection in Mechanical Design (Pergamon, 1993)  
 Atkins and Mai, Elastic and Plastic Fracture (Ellis Horwood, 1985)  
 Broek, Elementary Fracture Mechanics (third edition, Martinus Nijhoff, 1982)  
 Chawala, Composite Materials (Springer-Verlag, 1987)  
 Crawford, Plastic Engineering (second edition, Maxwell-Macmillan, 1987)  
 Davidge, Mechanical Behaviour of Ceramics (C.U.P., 1979)  
 Eckold, Design and Manufacture of Composite Structures (McGraw-Hill, 1994)  
 Gibson, Principles of Composite Material Mechanics (McGraw-Hill, 1994)  
 Richerson, Modern Ceramic Engineering (M. Dekker, 1982)  
 Harris, Engineering Composite Materials (Institute of Metals, 1986)  
 Jones, Engineering Materials 3 - Materials Failure Analysis (Pergamon, 1993)  
 Richerson, Modern Ceramic Engineering (M Dekker, 1982)

### MECH4320

#### Polymer Engineering Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1hr lec and one 3hr tut per week  
**Prerequisites:** MECH3261 and MECH3361 **Assessment:** Assignments, quizzes, project, examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: 4th Year elective unit of study*

**Associated degrees:** B E, UG Study Abroad Program.

Course content will include the special nature of polymers; processing methods: calendaring, extrusion, injection moulding, blow moulding, film blowing; Modelling of the processes; thermal considerations; use of Hele-Shaw approximation; Polymer melts rheology

#### Textbooks

References:  
 N.G. McCrum, C.P. Buckley, C.B. Bucknall. Principles of polymer engineering , Oxford Oxfordshire; New York : Oxford University Press, 1988  
 R. I. Tanner Engineering Rheology , 2nd Edition Oxford University Press 2000.  
 D.H. Morton-Jones, Polymer processing London; New York: Chapman and Hall, 1989.

### MECH4460

#### Mechanical Design 3 Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hrs lec and 2 hrs tut per week  
**Prerequisites:** MECH2400 **Corequisites:** MECH3460 **Assumed knowledge:** ENGG1802, AMME2301, AMME2500, MECH3361 **Assessment:** Assignments, quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study teaches the student how to recognise where and how their theoretical skills can be applied to the practical situations that they may encounter in this field of design. Options may be provided in the choice of design assignments. Biomedical engineering and vehicle design problems may be provided as options to more general machine design problems.

The lectures and assignments will cover all or most of the following objectives: Calculate weld thickness for a nominated joint outline, subjected to combined loads; To apply modern fatigue life predictions in general to component parts; Design a bolted joint to carry shear loads; Use a numerical solver to arrive at optimal design dimensions and material properties, provided the invention part of the design is

completed and only the size and shape of the design has to be settled; Design a space frame to carry specified loads and meet dimensional and functional requirements. Make a model of such a frame so that it may be compared with competing frames; Consider the range and evolution of CAD systems to aid in the selection of systems for particular duties, for today and in the near future; Consider the properties strengths and weaknesses of hydrodynamic bearings to lead to proper selection and maintenance; Design or select a coupling that has the appropriate attributes with respect to power and misalignments; Calculate the parameters that define a matched pair of spur gears, leading to the selection of multiple gear pairs in gearboxes; Use a modern kinematic and dynamic package that is integral with our solid modeler CAD system to simulate articulated machinery and determine joint loads between the parts; Considerations of geometrical and practical constraints in the design of parts and assemblies.

### MECH4601

#### Professional Engineering 2

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (One 2hr lec and one 3hr tut) per week **Prerequisites:** MECH3660 **Assumed knowledge:** MECH3661, ENGG1803, AMME4100 **Assessment:** Assignment, presentation, attendance, participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit of study aims to create an awareness of the issues surrounding management of projects and in general management in engineering plants; impart knowledge resulting in a more global approach to the practice of engineering and engineering management; provide a vehicle for improving communication skills. The course also aims, when taken together with other courses offered by the School, to substantially meet the requirement of the Institution of Engineers, Australia, for undergraduate training in management theory. On completion of this unit students should be able to: plan small projects, and contribute effectively to planning of larger projects; understand what is required of you in your role in the conduct and management of an engineering project; perform well in that role from the outset, with your performance limited only by your experience; prepare an interesting presentation on aspects of your work for your peers or senior managers; recognise the range of expertise you may need to call on in your role as an engineer working on a project (e.g in the safety and environmental fields); understand what the experts are saying, and to be able to contribute effectively to that discussion, so making effective use of that expertise.

### MECH4622

#### Industrial Ergonomics

##### Engineering and Information Technologies

**Credit points:** 6 **Teacher/Coordinator:** Airdrie Long **Session:** Semester 1 **Classes:** 4 hours of Lectures and Tutorials **Assumed knowledge:** It is assumed that students have a sound understanding of engineering concepts within their chosen specific discipline. **Assessment:** Assessment is by assignment - 80% and exam - 20% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B E, UG Study Abroad Program.

This is an elective course that is applicable to those engineers who will manage people and will design for people. The aim is for students to acquire an understanding of relationships between humans and the physical and psychological aspects of their occupations and develop basic competence in ergonomics principles and assessment. By the end of this UoS, students should have a basic understanding of ergonomics principles and be able to undertake a basic ergonomics assessment with a measure of confidence. Students should be able to identify real and potential ergonomics issues, source information and call in specialist expertise appropriately.

### MECH4720

#### Sensors and Signals

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (3hrs lec and 2hrs tut) per week **Prerequisites:** MTRX3700 or MECH3701 or MECH3700 **Assumed knowledge:** Strong Matlab skills **Assessment:** Assignment, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Fourth year elective unit of study.*

**Associated degrees:** B E, UG Study Abroad Program.

The unit aims to provide students with a good practical knowledge of a broad range of sensor technologies, operational principles and relevant signal processing techniques. MECH4720 is the last in a series of practical Mechatronic and Electrical courses taken over three years. It takes these practical engineering concepts, along with the associated mathematical, electronic and mechanical theory and applies this knowledge to a series of practical, albeit specialized applications that will be encountered by most Mechatronic Engineers at sometime during their careers.

This unit will start by looking at signal characteristics, modulation, filtering and convolution before examining some passive sensors. It goes on to provide an overview of the workings of typical active sensors with a strong emphasis on optical systems and image processing (Radar, Lidar and Sonar). It provides insight into basic sensing methods as well as aspects of interfacing and signal processing. It includes both background material and a number of case studies.

At the end of this unit students will have a good understanding of passive and active sensors, their outputs and applicable signal processing techniques; an appreciation of the basic sensors that are available to engineers and when they should be used.

### MECH4730

#### Computers in Real-Time Control and Inst

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (2hrs lec and 2hrs lab) per week **Prerequisites:** MTRX3700 or MECH3701 or MECH3700 **Prohibitions:** ELEC4602 Real Time Computing **Assessment:** Lab work, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Fourth year elective unit of study.*

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims for students to: learn the fundamental principles and requirements of real time software design: understand the basic components of an embedded systems; learn, appreciate and understand the various stages that need to be completed in a large software system implementation; learn the capabilities of a typical high performance real time operating system.

At the end of this unit students will have a basic knowledge of the hardware components available in a microcomputer system and a detailed knowledge of facilities and capabilities typically present in a professional real time operating system. The student will have the competence to design, implement and debug interrupt-driven / event driven multitasking systems. The outcomes of this subject are: to be able to design, plan and implement a large real time software system.; to understand the complexity of real time programming; to be able to select appropriate software/hardware platforms for a given control/monitoring task; to understand the problematic of real time software design; to be able to select appropriate software design tool for a real time task; to be able to debug a complete real time system; to be able to organize and distribute tasks in a large software project; to be able to monitor and control the progress towards a due day working in a group; to understand the main facilities offered by professional real time operating system: Processes, Threads, Timers, interrupts, interprocess communications; to be able to present / demonstrate a real time system in time; to be able to report results in a professional manner.

*Textbooks*

Auslander DM & Tham CH, Real Time Software for Control, Prentice Hall, 1990. Library Classification: 629.8102, 629.8955133.

**MECH4902****Orthopaedic and Surgical Engineering  
Engineering and Information Technologies**

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Andrew Ruys **Session:** Semester 2 **Classes:** 3 hours of Lectures per week **Prerequisites:** Mandatory: AMME2301, AMME2302, ENGG1802, BIOL1003, MECH2901, MECH3921 (or their equivalent). Recommended: MECH3362 (or equivalent). **Assumed knowledge:** Basic concepts in engineering mechanics-statics, dynamics, and solid mechanics; Basic concepts in materials science, specifically with regard to types of materials and the relation between properties and microstructure; and A basic understanding of human biology and anatomy. **Assessment:** 15% - Lecture attendance and overall participation 15% - A class presentation, 5-7 minutes, on a topic of choice 25% - An in-depth literature review on a topic of choice 45% - 2 hour final exam, essay style **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

To introduce the student to the details and practice of orthopaedic engineering. To give students an overview of the diverse knowledge necessary for the design and evaluation of implants used in orthopaedic surgery. To enable students to learn the language and concepts necessary for the interaction with orthopaedic surgeons and the orthopaedic implant industry. To introduce the student to the details and practice of other engineering applications in surgery, particularly in the cardiovascular realm.

By the end of this units of study, students will: Be acquainted with the physical properties of human bones and joints; Understand how the skeleton functions as an engineering structure. Learn the physical characteristics of the materials from which the musculoskeletal system is fabricated and be able to adapt basic engineering principles to the design and fabrication of prosthetic joints or to other devices used for replacement and repair of bones and joints; Learn the language of orthopaedics and obtain a glimpse into the world of the orthopaedic surgeon; and Have an understanding of the role played by engineering technology in surgery.

**MECH4961****Biomechanics and Biomaterials  
Engineering and Information Technologies**

**Credit points:** 6 **Session:** Semester 2 **Classes:** (Lec 2hrs, tut 1hr) per week **Prerequisites:** MECH2300 or AMME2302; MECH2900 or MECH2901 **Prohibitions:** MECH4960 **Assumed knowledge:** MECH3300 or MECH3362 **Assessment:** Group seminar, group report, participation, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims for students to: gain a basic understanding of the major areas of interest in both the biomaterials and biomechanics fields; learn to apply basic engineering principles to biomedical systems; to understand the challenges and difficulties of biomedical systems.

By the end of this unit students will be able to: apply static and dynamic mechanical analyses to the human body to describe motion; understand the mechanical behaviour of biological tissues and the types of models used to describe this behaviour; understand all the factors involved in the selection of a biomaterial for tissue replacement, including mechanical, biocompatibility, material property and fixation factors; improve their written and oral communication skills in a technical setting; demonstrate a basic understanding of the major areas of current research in both the biomaterials and biomechanics fields, learn to apply basic engineering principles to biomedical systems, and understand the challenges and difficulties of biomedical systems.

Course content will include: biocompatibility and the immune system; introduction to biomaterials; metallic implants; polymeric implants; ceramic implants; dental materials; introduction to biomechanics; tissue mechanics; modelling of motion; biofluid mechanics; injury biomechanics.

**MECO1001****Australian Media Studies  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr M Brennan **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Assessment:** One 1500 word essay (30%); One 1500 word essay (40%); one 2 hour exam

(30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.*

**Associated degrees:** B A (Media & Comm), B Sc Media Commun, UG Study Abroad Program.

This unit offers an introduction to the history and theory of media and communications studies. Students will gain a foundation in key concepts, methodologies and theorists in the field. They will also explore the interdisciplinary roots of media and communications studies and acquire basic research skills. By the end of the unit students should be familiar with major shifts in the history and theory of media and communications studies and with basic concepts and methodologies in the field.

**Textbooks**

It is recommended that students purchase a reader from the Copy Centre.

**MECO1003****Principles of Media Writing  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr A Dunn **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Assessment:** One 400 word news story (20%); one 500 word colour news story (20%); one 700 word broadcast script (20%); one 2 hour exam (30%); attendance and participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.*

**Associated degrees:** B A (Media & Comm), B Sc Media Commun, UG Study Abroad Program.

This unit will give students foundational skills in writing for the print and broadcast media. Students will learn the elements of journalistic style, how to structure news and feature articles, how to script basic broadcast and online news, and be introduced to the principles of interviewing and journalistic research.

**Textbooks**

Course reader;

Recommended readings:

David Conley, 'The Daily Miracle: An Introduction to Journalism', Oxford University Press, Melbourne, 1997; Style, News Custom, 2005.

Graeme Turner and Stuart Cunningham, Media and Communications in Australia, Allen and Unwin, Sydney, 2006; Style, News Custom, 2005

**MECO2601****Radio Broadcasting  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr A Dunn **Session:** Semester 1 **Classes:** One 1 hour lecture and one 2 hour workshop per week **Prerequisites:** 12 junior credit points of MECO units **Prohibitions:** MECO2001 **Assessment:** One radio news exercise (equivalent 100 words), one 2500-word critical reflection journal, one group radio production and documentation (equivalent 2000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.*

**Associated degrees:** B A (Media & Comm), B Sc Media Commun.

This unit is designed to introduce students to the history, nature and contemporary status of radio. It specifically considers such concepts as news values and the role of the Internet in audio broadcasts. Students will also apply critical analytical approaches to radio and online broadcast texts. Practically, the unit offers an introduction to radio presentation and production, using professional quality digital audio recording and editing facilities.

**Textbooks**

Phillips, G and Lindgren, M (2002) Australian Broadcasting Journalism Manual, 2nd edn., Oxford University Press.

It is recommended that students purchase a reader from the Copy Centre

**MECO2603****Media Relations  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr S Chaidaroon **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour tutorial per week **Prerequisites:** 12 junior credit points of MECO units and (ENGL1000 or ENGL1005 or

LNGS1005) **Prohibitions:** MECO2003 **Assessment:** 1. Media Relations Campaign (2500 words) (35%) 2. Press Conference Presentation (1000 words equiv.) (20%) 3. Final Exam (1000 words) (35%) 4. Tutorial Participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.*

**Associated degrees:** B A (Media & Comm), B Sc Media Commun, UG Study Abroad Program.

This unit of study will examine the relationships between stakeholders with an interest in public communication including the environmental groups, media, the corporate sector, government, not for profit industries and health and community relations. This unit provides an overview of media relations theory including issue framing, agenda setting, and co-relational development. It examines image, reputation and relationship building. Students learn to develop a media relations campaign strategy, budget and timeline, using tactical approaches for successful media relations. Students will learn to identify controlled and uncontrolled media, set research priorities and objectives and framing a client response.

#### Textbooks

A Required course reader can be purchased from the University Copy Centre. Recommended Reading: Stanton R 2007 Media Relations Oxford University Press Melbourne

### MECO2805

#### Media and Communications Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Media & Comm).

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Media and Communications at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Media and Communications.

### MECO2806

#### Media and Communications Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Media & Comm).

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Media and Communications at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Media and Communications.

### MECO2807

#### Media and Communications Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Media & Comm).

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Media and Communications at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Media and Communications.

### MECO2808

#### Media and Communications Exchange

### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A (Media & Comm).

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Media and Communications at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department of Media and Communications.

### MECO3601

#### Video Production

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr S Maras **Session:** Semester 2 **Classes:** One 2 hour lecture and one 2 hour workshop per week **Prerequisites:** 12 junior credit points of MECO units and (ENGL1000 or ENGL1005 or LNGS1005) **Prohibitions:** MECO3001 **Assessment:** 90 second News Piece (equivalent 900 words); Six-minute video (equivalent 1600 words); Reflection/Analysis in take-home exam format (equivalent 2000 words). **Practical field work:** This unit will involve substantial group video production project work outside of class time. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.*

**Associated degrees:** B A (Media & Comm), B Sc Media Commun.

This is an introduction to the theory and practice of digital video production, with a strong practical component, emphasizing information-based programming (news, current affairs, corporate video, documentary and infotainment). Students will be expected to produce short video items individually and in groups, using professional standard desktop editing software.

#### Textbooks

There is a recommended Reader, available from the University Copy Centre. Supplementary text: Martha Mollison, Producing Videos: A Complete Guide. 2nd edition. AFTRS/Allen & Unwin: Sydney, 2003.

### MECO3602

#### Online Media

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms F Martin **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour seminar per week **Prerequisites:** 12 junior credit points of MECO units and (ENGL1000 or ENGL1005 or LNGS1005) **Prohibitions:** MECO3002 **Assessment:** Group produced web site (50%); one two hour exam (30%); one web site proposal (15%); participation (5%) **Practical field work:** This unit will involve substantial group web site production project work outside of class time. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.*

**Associated degrees:** B A (Media & Comm), B Sc Media Commun.

This unit will examine the role of the Internet, and the way new media is changing the media landscape. By the end of the unit, students will be familiar with key theoretical and cultural issues in online media, and will have a critical framework with which to engage in analysis of the Internet. Students will also gain practical skills in writing and producing for the web and will develop their own web sites in teams.

#### Textbooks

There is a reader of key articles, available from the University Copy Centre. There is also one textbook: Flew, Terry (2007), 'New Media: An Introduction'. 3rd Edition. Melbourne: Oxford University Press. ISBN 0195551494

### MECO3603

#### Media, Law and Ethics

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr T Dwyer **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of MECO units and (ENGL1000 or ENGL1005 or LNGS1005) **Prohibitions:** MECO3003 **Assessment:** One 2000 word essay (40%), one 2 hour exam (40%) and one WebCT Posting (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day



*Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.*

**Associated degrees:** B A (Media & Comm), B Sc Media Commun, UG Study Abroad Program.

MECO3603 will introduce students to the area of Media Law and Ethics through discussion of key legal, ethical, and cultural issues relevant to journalism and the professional fields of public communication. Students will be given an introductory survey of the main ethical theories in Western thought to establish a framework within which to examine specific ethical issues that relate to media. They will also be introduced to those aspects of the law that impinge on the work of media professionals.

#### Textbooks

There is a Reader of key articles, available from the University Copy Centre. There are also two textbooks:  
Catharine Lumby and Elspeth Probyn, Eds. *Remote Control: New Media, New Ethics*, Cambridge University Press, Melbourne, 2003.  
Mark Pearson, *The Journalist's Guide to Media Law: Dealing with Legal and Ethical Issues*. \*3rd Edition. Allen and Unwin, Crows Nest, 2007

### MECO3605

#### Media Globalisation Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr M Brennan **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of MECO units and (ENGL1000 or ENGL1005 or LNGS1005) **Prohibitions:** MECO3005 **Assessment:** One 2000 word essay (40%); tutorial presentation/debate (20%) and one 2 hour exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Available to BA (Media and Comm) and, subject to departmental approval, students undertaking a major in Cultural Studies.*

**Associated degrees:** B A (Media & Comm), B Sc Media Commun, UG Study Abroad Program.

This unit aims to demonstrate the complexity of media globalisation and to examine in depth some of the common assumptions associated with the term. While the unit will consider the impact of global market forces (i.e. cheap labour in developing countries, environmental issues, etc), it is interested in the dynamics of globalisation more generally, and media globalisation more specifically. Students can expect to appreciate that media globalisation is a complex proposal that involves formats, localisation, symbolic currency and negotiation.

#### Textbooks

It is recommended that students purchase a reader from the Copy Centre.

### MECO3606

#### Advanced Media Writing Arts

**Credit points:** 6 **Teacher/Coordinator:** Ms M Le Masurier **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour workshop **Prerequisites:** 12 junior credit points of MECO units and ENGL1000 **Prohibitions:** MECO3006 **Assessment:** Three feature articles in different genres, one tutorial presentation. There is no exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.*

**Associated degrees:** B A (Media & Comm), B Sc Media Commun, UG Study Abroad Program.

This unit of study will build on foundational writing, research and interviewing skills acquired in MECO1003 Principles of Media Writing. The focus will be on writing for print media and will emphasise advanced feature and opinion writing genres. Students will also study the history of print media genres and consider theoretical issues relevant to feature writing.

#### Textbooks

Course reader

### MECO3609

#### Critical Practice in Media Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr P O'Donnell **Session:** Semester 2 **Classes:** One 2 hour seminar per week **Prerequisites:** 54 credit points of MECO units and ENGL1000 (or ENGL1005 or LNGS1005) **Assessment:** One 1000 word project proposal and one 5000 word research project. This may either take the form of an essay or a mixed project comprising a media production

plus written work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.*

**Associated degrees:** B A (Media & Comm), B Sc Media Commun, UG Study Abroad Program.

This unit of study is designed to draw together the key elements of theoretical and practical knowledge and skills that students have acquired in their media and communications studies. Using historical, cultural and industry-based frameworks and case studies, this unit of study will assist students to better understand the relationship between theory and practice in the field and assist them to become critical practitioners. By the end of the unit, students will be able to identify key debates around the relationship between theory and practice and demonstrate an awareness of how critical thinking and media production are capable of mutually informing each other in practice.

#### Textbooks

Readings will be available online through WebCT and/or the Library electronic reserve.

### MECO3671

#### Media and Communications Internship Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr A Dunn **Session:** Semester 1, Semester 2 **Classes:** There are no lectures, but attendance may be required at a programme of industry talks. **Prerequisites:** 30 senior credit points of MECO, including (MECO3603 or MECO3003). Students may not enrol in MECO3671 prior to the second semester of their 3rd year. **Prohibitions:** MECO3701, MECO3702 **Assessment:** Students must satisfy the requirements of an internship contract with their workplace, including attendance and performance, as evaluated through a workplace supervisor report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.*

**Associated degrees:** B A (Media & Comm), B Sc Media Commun.

The internship consists of a work placement comprising a minimum of 140 working hours in a media organisation, assisted and supervised by both the workplace and the department. Placements may include print, broadcast, online and new media, public relations and advertising organisations. Students will be required to present a 2000 word journal recounting their experiences during the internship. The internship and internship journal are assessed on a satisfactory/unsatisfactory basis.

### MECO3672

#### Internship Project Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr A Dunn **Session:** Semester 1, Semester 2 **Prerequisites:** 30 senior credit points of MECO, including two of (MECO3602, MECO3603, MECO3002, MECO3003). Students may not enrol in MECO3672 prior to the first semester of their 4th year. **Corequisites:** MECO3671 **Prohibitions:** MECO3701, MECO3702 **Assessment:** One 4000 word research essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: All students must attend the Week One lecture, at which they sign up for one of 3 cycles of 4 x 3-hour seminars.*

**Associated degrees:** B A (Media & Comm), B Sc Media Commun.

This unit is based around the production of a 4000 word critical research essay drawn from issues encountered during and after the internship. Students are required to attend a cycle of four seminars, which they will direct (in the presence of the unit co-ordinator) to discuss and refine their research approaches and questions. Students will also need to submit documentation of their research question and approach before submitting their essay.

#### Textbooks

Stokes, Jane (2002) *How to do Media and Cultural Studies*, London: Sage

### MECO4601

#### Honours Research Methods A Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr M Brennan **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week **Assessment:** 4000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Media & Comm)(Hons).

This seminar will introduce students to key research methods and critical approaches in the media and communications fields and engage them in the close reading of theoretical texts. Students will also be required to give presentations and to actively engage in argumentation and critique.

## MECO4602

### Honours Research Methods B Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr M Brennan **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week **Corequisites:** MECO4601 **Assessment:** 4000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Media & Comm)(Hons).

This seminar will extend and build on the skills acquired in MECO4601 - Honours Research Methods.

## MECO4603

### Honours Seminar A Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr M Brennan **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week **Assessment:** 4000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Media & Comm)(Hons).

This seminar will give students an opportunity to develop their thesis outline in a peer review context, to present work for group discussion and to actively engage with other researchers. Students will be encouraged to experiment with new ideas, approaches and genres.

## MECO4604

### Honours Seminar B Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr M Brennan **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week **Corequisites:** MECO4603 **Assessment:** 4000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Media & Comm)(Hons).

This seminar will extend and build on the skills acquired in MECO4603 - Honours Seminar A.

## MECO4605

### Honours Thesis A Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr M Brennan **Session:** Semester 1, Semester 2 **Assessment:** Either a thesis of 12000-15000 words OR a media production of an agreed size PLUS a 6000-8000 word extended essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Media & Comm)(Hons).

Regular consultation with supervisor is required, at which an agreed schedule of work will be negotiated.

## MECO4606

### Honours Thesis B Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr M Brennan **Session:** Semester 1, Semester 2 **Corequisites:** MECO4605 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Media & Comm)(Hons).

See description in MECO4605 -Thesis A

## MECO4607

### Honours Thesis C Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr M Brennan **Session:** Semester 1, Semester 2 **Corequisites:** MECO4606 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Media & Comm)(Hons).

See description in MECO4605-Thesis A.

## MECO4608

### Honours Thesis D Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr M Brennan **Session:** Semester 1, Semester 2 **Corequisites:** MECO4607 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Media & Comm)(Hons).

See description in MECO4605-Thesis A.

## MEDF4005

### Medicine Preliminary Medicine

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** M Med (R H H G), M Phil, M Sc (Med)(Preliminary), M Sc Med (R H H G), M Phil Med.

This unit and the associated units, MEDF4001, MEDF4002, MEDF4003 and MEDF4004, are intended for students who may be able to attempt a research degree but are not yet sufficiently qualified. The contents and assessments are determined according to each individual student's needs.

## MGRK1601

### Junior Modern Greek 1 Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Vrasidas Karalis **Session:** Semester 1 **Classes:** 4 hours per week **Prohibitions:** MGRK1101 **Assessment:** Continuous assessment (class exercises) equivalent to 2500 words, 2 hour exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

Practical language classes for students who have very little or no prior knowledge of Greek. The unit is based both on communicative methodology and a functional approach to language. By using the Greek language in a range of contexts, students will develop spoken communication (speaking and listening) skills and to a lesser extent written communication (reading and writing) skills.

*Textbooks*

Supplied through the department.

## MGRK1602

### Junior Modern Greek 2 Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Vrasidas Karalis **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** MGRK1101 or MGRK1601 **Prohibitions:** MGRK1102 **Assessment:** Continuous assessment (class exercises) equivalent to 2500 words, 2 hour exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is a continuation of MGRK1601. It aims at strengthening students' oral communication skills and further developing their written skills. Having completed MGRK1602, students in their second year will normally enter MGRK2601.

*Textbooks*

Supplied through the department.

## MGRK1621

### Junior Modern Greek 3

**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Panayiota Nazou **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** Modern Greek Continuers or Modern Greek Extension or equivalent language proficiency as determined by the department **Prohibitions:** MGRK1101, MGRK1501, MGRK1401 **Assessment:** 1000 word assignment, continuous assessment consisting of 6 tasks (equivalent to 1500 words), 2 hour exam, class participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit revises and consolidates the main structures of Greek grammar and syntax and provides an overview of recent Greek history. The language component focuses on developing writing and reading skills by introducing students to the essential morphological structure of the Greek language. The history component offers an insight to some of the most important issues of Greek history since the enlightenment.

*Textbooks*

Supplied through the department.

**MGRK1622****Junior Modern Greek 4****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Anthony Dracopoulos **Session:** Semester 2 **Classes:** 4 hours per week **Prerequisites:** MGRK1621 or MGRK1401 or equivalent language proficiency as determined by the department **Prohibitions:** MGRK1101, MGRK1102, MGRK1402 **Assessment:** 1000 word assignment, continuous assessment consisting of 6 tasks (grammar exercises and compositions, equivalent to 1500 words), 2 hour exam, class participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is a continuation of MGRK1621. Enrolment into this unit without completion of MGRK1621 is possible after consultation with the chair of the department.

**MGRK2601****Senior Modern Greek 1****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Panayiota Nazou **Session:** Semester 1 **Classes:** 2 hours language and 2 hours cultural and historical survey per week **Prerequisites:** MGRK1102 or MGRK1602 or special permission by the department **Prohibitions:** MGRK1501, MGRK2001 **Assessment:** 1000 word assignment, continuous assessment (language exercises and class tests, equivalent to 1000 words), 2 hour exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

The core of this unit is practical language segments aimed particularly at developing skills of listening, speaking and writing. It also provides introductory lectures on the history and culture of speakers of Greek in the post-classical world. Political and social developments described in lectures will be linked to the reading of texts; some in Greek, illustrating how Greek culture and literature have reacted to historical change and ideological repositioning.

*Textbooks*

Supplied through the department.

**MGRK2602****Senior Modern Greek 2****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Anthony Dracopoulos **Session:** Semester 2 **Classes:** 2 hours language and 2 hours cultural and historical survey per week **Prerequisites:** MGRK2001 or MGRK2601 or special permission by the department **Prohibitions:** MGRK1502, MGRK2002 **Assessment:** 1000 word assignment, continuous assessment (language exercises and class tests, equivalent to 1000 words), 2 hour exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is a continuation of MGRK2601, and builds upon the knowledge and skills acquired during Semester 1.

*Textbooks*

Supplied through the department.

**MGRK2603****Style and Expression****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Anthony Dracopoulos **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** MGRK1402 or MGRK1622 or MGRK2002 or MGRK2602 or special permission by the department **Prohibitions:** MGRK2203 **Assessment:** 4 compositions and 4 exercises (equivalent to 2500 words), 2 hour exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

The unit builds on the structures analysed in MGRK1604 and MGRK2602. Its particular purpose is to develop students' ability to write substantial continuous passages of Greek, concentrating on different methods for the effective building of clauses into sentences and sentences into paragraphs.

*Textbooks*

Supplied through the department.

**MGRK2605****Theory and Practice of Translation B****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Panayiota Nazou **Session:** Semester 1 **Classes:** 3 hours per week **Prerequisites:** MGRK1202 or MGRK1402 or MGRK1622 or MGRK2002 or MGRK2602 or special permission by the department **Prohibitions:** MGRK3211 **Assessment:** Continuous assessment (500 words), 2 class tests (2000 words), 2000 word essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is a continuation of MGRK3210 with specific emphasis on the reverse translation from English to Greek. Its main focus is the study of translating strategies of specialised texts and explains changes in their structure. Students are expected to learn how translation works as a semantic transition from one language to the other and be able to understand the necessary changes they must introduce during the translation process in order to make the text semantically functional in Greek.

**MGRK2622****The Other Road to Greek Modernity****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Anthony Dracopoulos **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** At least 18 junior credit points from Part A of the table of units of study, of which 12 credit points are from one subject, or special permission by the chair of department **Prohibitions:** MGRK2501 **Assessment:** Class presentation, 3000 word essay, take home exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit examines attempts to modernise Greek Literature at the beginning of the 20th century by C.P Cavafy, K. Karyotakis and other poets, together with a new trend in Greek criticism put forward by T. Agras and K. Paraschos. These efforts were later overshadowed and marginalised by the dominant discourse of Greek Modernism, which is associated with the group known as the Generation of the 1930's. Parallels are drawn with the European literary context and relevant developments in Greek political life.

**MGRK2633****Social Norms/Stereotypes in Greek Cinema****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Panayiota Nazou **Session:** Semester 1 **Classes:** 1 hour lecture and 1 hour tutorial per week **Prerequisites:** At least 18 junior credit points from Part A of the table of units of study, of which 12 credit points are from one subject, or special permission by the chair of department **Prohibitions:** MGRK2513 **Assessment:** 3000 word essay, class presentation (equivalent to 1000 words), take home exam (2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit examines a number of the most important Greek films of the last fifty years that give insight into developing views of Greek society. It explores gender representations, social mobility, feminist issues, value systems, significant historical events, sex roles and attitudes towards outsiders. It also discusses stereotyping and ideological constructs, and investigates the relationship between cinematic technique and cultural meaning.

*Textbooks*

Consult the department.

## MGRK2652

### Politics and Politicians in Greece

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Vrasidas Karalis **Session:** Semester 2 **Classes:** 1 hour lecture and 1 hour tutorial per week **Prerequisites:** 12 junior credit points in any subject **Prohibitions:** MGRK2512 **Assessment:** Final essay (4000 words), other written assignments (1000 words), class presentation (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit looks at some of the most important political movements and prominent political figures, which have shaped Modern Greek social policy and public sphere. Through the study of the political parties, leaders, constitutional history, testimonies, activities, texts and relevant documents, students will gain an understanding of the process of building up statehood in Greece together with specific strategies for citizenship as a pluralistic society.

*Textbooks*

Supplied through the department.

## MGRK2657

### Greece and the European Imaginary

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Vrasidas Karalis, Dr Anthony Dracopolous **Session:** Semester 1 **Classes:** 1 hour lecture and 1 hour tutorial per week **Prerequisites:** At least 18 junior credit points from Part A of the table of units of study, of which 12 credit points are from 1 subject, or special permission by the chair of department **Assessment:** 3000 word essay, class presentation (1000 words), take home exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Lang Stud, UG Study Abroad Program.

Throughout the last 2000 years Greece and its culture has exerted a powerful influence on the European imagination. This unit surveys the changing images and representations of Greece in European perception from early Rome to Postmodernism. Special emphasis is given to the representation of the Greek legacy by contemporary popular culture. From Alexander the Great to Brad Pitt, and from Cleopatra to Dune, the Greek legacy remains a permanent point of reference for Western culture and articulates a strong tendency towards rational humanism and critical reflection that opposes religious fundamentalism.

## MGRK2675

### New Testament Greek and its World A

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Vrasidas Karalis **Session:** Semester 1 **Classes:** 1 hour lecture and two 1 hour tutorials per week **Prerequisites:** 12 junior credit points in any subject **Prohibitions:** MGRK2525 **Assessment:** Final essay (2000 words), other written assignments (1000 words), class presentation (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit explores, by means of language, the world, the ideas and the formation of the New Testament as the foundation book of Christian tradition. Language becomes the starting point for the structural analysis of the various books comprising the New Testament and for the close reading in their meaning. It also raises issues of translation and interpretation which were crucial for the establishment of major Christian doctrines and ethical values in different cultures.

Finally, it offers a thorough examination of critical discussions about the continuing influences of the New Testament and investigates the discipline of New Testament studies in the beginning of the 21st century.

## MGRK2676

### New Testament Greek and its World B

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Vrasidas Karalis **Session:** Semester 2 **Classes:** 1 hour lecture and two 1 hour tutorials per week **Prerequisites:** 12 junior credit points in any subject **Prohibitions:** MGRK2526 **Assessment:** Essay (2000 words), other written assignments (1000 words), class presentation (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit examines the language, the world and the ideas of the New Testament based mainly on the structural analysis of its Epistles. It explores the language forms and the value systems contained in these texts through studying the linguistic layers determining their reception and interpretation. Tutorials are dedicated to the language itself whereas lectures are exclusively focused to the semantic (theological, philosophical and psychological) analysis of texts.

## MGRK2811

### Modern Greek Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

## MGRK2812

### Modern Greek Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

## MGRK2813

### Modern Greek Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

## MGRK2814

### Modern Greek Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

## MGRK2815

### Modern Greek Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

## MGRK3692

### Theories of Literature

**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Anthony Dracopoulos **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** Credit or above in MGRK1402 or MGRK1622 or MGRK2002 or MGRK2602 or Special Entry Eligibility form signed by the chair of department **Prohibitions:** MGRK3901 **Assessment:** 3000 word essay, class presentation (1000 words), take home exam (2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit introduces students to the major literary and cultural theories of the twentieth century and develops a wide variety of concepts, theoretical approaches and methodologies useful for the analysis of Modern Greek literature and culture.

*Textbooks*

Supplied through the department.

**MGRK3841****Modern Greek In-Country Study 1****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2, Summer Late **Prerequisites:** 12 junior credit points of Modern Greek **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Summer/Winter School.

**MGRK4011****Modern Greek Honours A****Arts**

**Credit points:** 12 **Teacher/Coordinator:** Assoc Prof Vrasidas Karalis **Session:** Semester 1, Semester 2 **Classes:** Each seminar is 2 hours per week. **Prerequisites:** A major in Modern Greek plus 16 additional credit points which must include MGRK2904 and MGRK3901 **Assessment:** Essays for each seminar (75%) and 15000 word thesis (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Students will complete six semester length seminars and associated work. In addition to this, students will write a long essay of about 15000 words on a subject chosen in consultation with the department's staff. Individual guidance will be provided. The seminars offered in 2009 are:

Semester 1: Classical Heritage; Modern Greek History; Historiography.

Semester 2: Greek Literature in Film; Literary History; Poetics.

*Textbooks*

Supplied through the department.

**MGRK4012****Modern Greek Honours B****Arts**

**Credit points:** 12 **Teacher/Coordinator:** Assoc Prof Vrasidas Karalis **Session:** Semester 1, Semester 2 **Corequisites:** MGRK4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to MGRK4011

**MGRK4013****Modern Greek Honours C****Arts**

**Credit points:** 12 **Teacher/Coordinator:** Assoc Prof Vrasidas Karalis **Session:** Semester 1, Semester 2 **Corequisites:** MGRK4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to MGRK4011

**MGRK4014****Modern Greek Honours D****Arts**

**Credit points:** 12 **Teacher/Coordinator:** Assoc Prof Vrasidas Karalis **Session:** Semester 1, Semester 2 **Corequisites:** MGRK4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), B Int S (Hons), Dip Lang Studs (Hons).

Refer to MGRK4011

**MICR2021****Microbial Life****Science**

**Credit points:** 6 **Teacher/Coordinator:** Deborah Blanckenberg **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, plus an additional six 1 hour tutorials per semester. Eleven 3 hour practicals per semester. **Prerequisites:** 6cp of Junior Biology and (6cp of MBLG (1001 or 1901) or MBLG2901 or PLNT2001 or PLNT2901) and 6cp of Junior Chemistry **Prohibitions:** MICR2921, MICR2024, MICR2001, MICR2901, MICR2003, MICR2007, MICR2011, MICR2909 **Assessment:** One 2 hour theory exam, continuous assessment in practicals, two assignments, two quizzes, practical assignment exercises. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students are very strongly recommended to complete MICR (2021 or 2921 or 2024) before enrolling in MICR2022 in Semester 2. For progression on to Senior Microbiology units, students must also complete MBLG (1001 or 1901) or PLNT (2001 or 2901).*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program.

Microorganisms are by far the most ubiquitous organisms on the planet, and underpin healthy ecosystems through nutrient recycling and biodegradation, as well as providing many aspects of plant and animal nutrition. They are used in many industrial processes such as producing enzymes, vitamins and antibiotics, and in the manufacture of some foods and beverages. Microorganisms can also cause problems, however, such as human, animal and plant diseases, poisoning, pollution and spoilage. The small size of most microorganisms means special techniques are required to view, measure, classify and identify them.

In this unit of study, the diversity of microbial life, including viruses, bacteria, fungi, algae and protozoa, and their importance to humans, are introduced. The course is designed for the students wishing to major in microbiology as well as those requiring microbial skills while specializing in related fields, such as molecular biology.

Theoretical aspects of microbiology are supplemented with laboratory classes that teach the safe handling and viewing of microorganisms, and draw on research in microbiology laboratories.

*Textbooks*

Willey et al. (2007) Prescott, Harley, and Klein's Microbiology. 7th ed, WCB/McGraw-Hill

**MICR2022****Microbes in Society****Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Deborah Blackenberg **Session:** Semester 2 **Classes:** Two 1 hour lectures per week, plus an additional four 1 hour tutorials per semester. Eleven 3 hour practicals per semester **Prerequisites:** 6 of Junior Biology and (6 of MBLG (1001 or 1901) or PLNT2001 or PLNT2911) and 6 of Junior Chemistry **Prohibitions:** MICR2922, MICR2002, MICR2902, MICR2004, MICR2008, MICR2012, MICR2909 **Assessment:** One 2 hour theory exam, continuous assessment in practicals, assignment, two quizzes, practical assessment exercises. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students are very strongly advised to complete MICR (2021 or 2921 or 2024) before enrolling in MICR2022 in Semester 2. For progression on to Senior Microbiology units, students must also complete MBLG (1001 or 1901) or PLNT (2001 or 2901).*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B An Vet Bio Sc, B E, B Hort Sc, B L W Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program.

Pathogenic microbes cause infectious diseases of humans, animals and plants, and inflict enormous suffering and economic losses. Beneficial microbes are important contributors to food production, agriculture, biotechnology, and environmental processes. The aims

of MICR2022/2922 are to explore the impacts and applications of microbes in human society and in the environment at large, and to teach skills and specialist knowledge in several key areas of microbiology. Medical Microbiology lectures will cover bacterial, viral, and fungal pathogens, and will introduce the concepts of epidemiology, transmission, pathogenicity, virulence factors, host/parasite relationships, host defences, prevention of disease, and antibiotic types, functions, and resistance. Lecture topics in other areas include Food (preservation, spoilage, poisoning, industrial context), Industrial (fermentation, traditional and recombinant products, bioprospecting), Environmental (nutrient cycles, atmosphere, wastewater, pollution, biodegradation) and Agricultural (nitrogen fixation, plant pathogens, biocontrols). The laboratory sessions are integrated with the lecture series and are designed to give students practical experience in isolating, identifying and manipulating microorganisms. BSc or BSc (Advanced) students who have completed MICR2021/2921 and MICR2022/2922 may be offered the opportunity to undertake work experience for approx one month in a local microbiology laboratory (hospital, industrial, university etc) subject to availability of places.

#### Textbooks

Willey et al. (2007) Prescott, Harley and Klein's Microbiology. 7th ed, WCB/McGraw-Hill.

### MICR2024

#### Microbes in the Environment Science

**Credit points:** 6 **Teacher/Coordinator:** Prof David Guest **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour practical per week. **Prerequisites:** 30 credit points of Junior Science or Faculty of Agriculture, Food and Natural Resource units including 6 credit points of Junior Biology. **Prohibitions:** MICR2021, MICR2921, MICR2001, MICR2901, MICR2003, MICR2007, MICR2011, MICR2909 **Assessment:** One 2 hour exam, fortnightly practical quiz, project report and continuous practical assessment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Students are very strongly recommended to complete MICR (2021 or 2921 or 2024) before enrolling in MICR2922 in Semester 2. For progression on to Senior Microbiology units, students must also complete MBLG(1001 or 1901) or PLNT (2001 or 2901).*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Hort Sc, B L W Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biotechnology), B Sc Agr.

This unit introduces the diversity of microbes found in soil, water, air, plant and animal environments. Through an examination of their physiology and genetics it explores their interactions with plants, animals and each other, and their roles as decomposers and recyclers in the environment. The soil is a rich microbial environment, and the concept of soil health and its relationship to plant growth is discussed. Practical classes introduce techniques and skills in isolating, quantifying and culturing microbes, designing and interpreting experiments to study microbial growth, and in preparing and presenting data. Students will complete a short project that is relevant to agricultural microbiology.

#### Textbooks

Atlas RM and Bartha R (1997) Microbial Ecology: Fundamentals and applications. 4th Edition. Benjamin/Cummings Scientific Publishing, Menlo Park, CA

### MICR2551

#### Microbiology Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MICR2552

#### Microbiology Exchange

### Science

**Credit points:** 8 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MICR2553

#### Microbiology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MICR2554

#### Microbiology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MICR2921

#### Microbial Life (Advanced) Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, plus an additional six 1 hour tutorials and three 1 hour seminars per semester. Eleven 3 hour practicals per semester. **Prerequisites:** (6 credit points of Junior Biology) and (6 credit points of MBLG (1001 or 1901) or MBLG2901 or PLNT2001 or PLNT2911) and 6 credit points of Junior Chemistry. Distinction grade required in at least one of Junior Biology or MBLG1001 or MBLG1901 or PLNT2001 or PLNT2911. **Prohibitions:** MICR2021, MICR2024, MICR2001, MICR2901, MICR2003, MICR2007, MICR2011, MICR2909 **Assessment:** One 2 hour theory exam, continuous assessment in practical, two assignments, two quizzes, practical assignment exercises, essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students are very strongly advised to complete MICR (2021 or 2921 or 2024) before enrolling in MICR2022 or 2922 in Semester 2. For progression on to Senior Microbiology units, students must also complete MBLG (1001 or 1901) or PLNT(2001 or 2901).*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This unit of study is based on MICR2021 with three additional seminars on advanced aspects of the material covered in MICR2021. The content and nature of this component may vary from year to year.

#### Textbooks

As for MICR2021

### MICR2922

#### Microbes in Society (Advanced) Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Deborah Blanckenberg **Session:** Semester 2 **Classes:** Two 1 hour lectures per week, plus an additional four 1 hour tutorials and four 1 hour seminars per semester per semester. Eleven 3 hour practicals per semester. **Prerequisites:** 6 credit points of Junior Biology and (6 credit points of MBLG1001 or MBLG1901 or PLNT2001 or PLNT2901)

and 6 credit points of Junior Chemistry. Distinction grade required in at least one of Junior Biology or MBLG1001 or MBLG1901 or PLNT2001 or PLNT2911  
**Prohibitions:** MICR2022, MICR2002, MICR2902, MICR2004, MICR2008, MICR2012, MICR2909 **Assumed knowledge:** MICR (2021 or 2921 or 2024 or 2026) **Assessment:** One 2 hour theory exam, continuous assessment in practicals, assignment, two quizzes, practical assessment exercises, essay  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students are very strongly advised to complete MICR (2021 or 2921 or 2024) before enrolling in MICR2922 in Semester 2. For progression on to Senior Microbiology units, students must also complete MBLG (1001 or 1901) or PLNT (2001 or 2901).*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This unit of study is based on MICR2022 with four additional seminars on advanced aspects of the material covered in MICR2022. The content and nature of this component may vary from year to year.

*Textbooks*  
 As for MICR2022

### MICR3011 Microbes in Infection Science

**Credit points:** 6 **Teacher/Coordinator:** Helen Agus **Session:** Semester 1  
**Classes:** Two 1 hour lectures per week eight 3 hour practical sessions and three 2 hour clinical tutorials per semester **Prerequisites:** At least 6 credit points of MBLG units and MICR (2022 or 2922 or 2002 or 2902). For BMedSc students: 42 credit points of Intermediate BMED units including BMED (2807 and 2808). For BScAgr students: PLNT (2001 or 2901) and MICR (2022 or 2922). **Prohibitions:** MICR3911, MICR3001, MICR3901 **Assessment:** One 2 hour exam, continuous assessment, practical work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit is designed to further develop an interest in, and understanding of, medical microbiology from the introduction in Intermediate Microbiology. Through an examination of microbial structure, virulence, body defences and pathogenesis, the process of acquisition and establishment of disease is covered. The unit is divided into three themes: 1. Clinical Microbiology: host defences, infections, virulence mechanisms; 2. Public health microbiology: epidemiology, international public health, transmission, water and food borne outbreaks; 3. Emerging and re-emerging diseases: the impact of societal change with respect to triggering new diseases and causing the re-emergence of past problems, case studies. The practical component is designed to enhance students' practical skills and to complement the lecture series. Clinical tutorial sessions underpin and investigate the application of the material covered in the practical classes.

*Textbooks*  
 Murray PR et al. Medical Microbiology. 5th ed., Mosby, 2005.

### MICR3012 Molecular Biology of Pathogens Science

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Dee Carter **Session:** Semester 2  
**Classes:** Two 1 hour lectures per week, six 5 hour practicals plus two practical-based tutorials per semester. **Prerequisites:** At least 6 credit points of MBLG units and MICR (2022 or 2922 or 2002 or 2902). For BMedSc students: 42 credit points of Intermediate BMED units including BMED (2802, 2807 and 2808). For BScAgr students: PLNT (2001 or 2901) and MICR2024. **Prohibitions:** MICR3912, MICR3002, MICR3902, MICR3003, MICR3903, MICR3004, MICR3904 **Assessment:** One 2 hour exam, continuous assessment, practical report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit of study is designed to provide an understanding of the virulence mechanisms underlying microbial disease at the molecular level. The following topics will be covered: pathogenic processes and the molecular basis of adhesion, toxin production, cell invasion and

immune evasion in bacteria; the molecular basis of antibiotic action and resistance and modern techniques used in the study of microbial diseases.

The complementary practical course teaches fundamental techniques in molecular microbiology through a molecular epidemiological investigation of a food poisoning outbreak.

*Textbooks*  
 Salyers AA and Whitt DD Bacterial Pathogenesis. A Molecular Approach. 2nd ed. ASM. 2002

### MICR3022 Microbial Biotechnology Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Nick Coleman **Session:** Semester 2  
**Classes:** Two 1 hour lectures per week and seven 4 hour practicals. **Prerequisites:** At least 6 credit points of MBLG units and 6 credit points of Intermediate MICR units. For BMedSc students: 42 credit points of Intermediate BMED units including BMED (2802 and 2807). For BScAgr students: PLNT (2001 or 2901) and MICR2024. **Prohibitions:** MICR3922, MICR3002, MICR3902 **Assessment:** One 2 hour theory exam, practical reports, lab book and skills assessment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Hort Sc, B L W Sc, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc Agr, UG Study Abroad Program.

Microbes are central to biotechnology as chemical factories, as sources of enzymes, as cloning hosts, and as providers of cloning vectors. The lecture and prac courses in MICR3022/3922 aim to teach basic principles and methods in microbiology in the context of applications in biotechnology - including industrial, medical and environmental biotech. A special focus will be on the importance of microbial diversity as a source of enzyme diversity for biotechnology. The course revolves around three themes, summarized as metabolites, enzymes, and communities. Topic areas to be covered in lectures include production of small molecules (alcohols and antibiotics), production of macromolecules (protein expression, recombinant DNA), and management of microbial proteins in plants and animals (principles, methods, risks), and management of microbial communities (gut microbes, wastewater treatment, bioprospecting). Techniques covered in lectures include fermentation, mutation, making and screening clone libraries, directed evolution, heterologous expression, metabolic engineering, environmental metagenomics, microarrays, and high throughput screening. In one pract project, students will purify (DNA polymerase) from recombinant E.coli cells, and test the enzyme for its ability to catalyze polymerase chain reaction (PCR). In the second prac project, students will isolate hydrocarbon-oxidizing bacteria from soil, and assess their ability to produce a useful metabolite (the blue dye indigo).

### MICR3551 Microbiology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MICR3552 Microbiology Exchange Science

**Credit points:** 12 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MICR3553

#### Microbiology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MICR3554

#### Microbiology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MICR3555

#### Microbiology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MICR3911

#### Microbes in Infection (Advanced) Science

**Credit points:** 6 **Teacher/Coordinator:** Helen Agus **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, plus an additional six 1 hour tutorials per semester; eight 3 hour practical sessions and three 2 hour clinical tutorials per semester. **Prerequisites:** At least 6 credit points of MBLG units and Distinction in MICR (2022 or 2922 or 2002 or 2902). For BMedSc students: 42 credit points of Intermediate BMED units including in BMED (2807 or 2808) with a Distinction in one of these two. For BScAgr students: PLNT (2001 or 2901) and MICR (2022 or 2922) including one Distinction. **Prohibitions:** MICR3011, MICR3001, MICR3901 **Assessment:** One 2 hour exam, continuous assessment, practical work, choice of one essay or one oral presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit is available to students who have performed well in Intermediate Microbiology. MICR3911 is based on MICR3011 with a series of additional tutorials to extend students beyond the core material. Consequently, the unit of study content may vary from year to year.

*Textbooks*

Murray PR et al. Medical Microbiology. 5th ed., Mosby, 2005.

### MICR3912

#### Molecular Biology of Pathogens (Adv) Science

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Dee Carter **Session:** Semester 2 **Classes:** Two 1 hour lectures per week plus two additional 1 hour lectures per semester. Six 5 hour practicals plus two practical-based tutorials. **Prerequisites:** At least 6 credit points of MBLG units and Distinction in MICR (2022 or 2922 or 2002 or 2902). For BMedSc students: 42 credit points of Intermediate BMED units including BMED (2802 or 2807 or 2808) with a Distinction in one of these three. For BScAgr students: PLNT (2001 or 2901) and MICR2024 including one Distinction. **Prohibitions:** MICR3012, MICR3002, MICR3902, MICR3003, MICR3903, MICR3004, MICR3904 **Assessment:** One 2 hour exam, continuous assessment, practical report, essay on advanced lecture topics. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit is available to students who have performed well in Intermediate Microbiology and is based on MICR3012 with two additional advanced lectures related to the research interests in the Discipline of Microbiology that are relevant to the molecular biology of pathogens. The assessment component specific to MICR3922 is an essay researched from the scientific literature on a topic introduced in the advanced lecture course.

Students taking both MICR3922 and MICR3912 may be eligible to undertake a research project (~60 h) in a Microbiology lab (School of MMB) to replace the practical component of both courses. Research projects are assessed by lab performance, lab books and an oral presentation. Allocation to a research project is based on academic merit as places are limited.

*Textbooks*

Salyers AA and Whitt DD Bacterial Pathogenesis. A Molecular Approach. 2nd ed. ASM. 2002 ISBN 155581-171-X

### MICR3922

#### Microbial Biotechnology (Advanced) Science

**Credit points:** 6 **Teacher/Coordinator:** Dr N Coleman **Session:** Semester 2 **Classes:** Two 1 hour lectures per week, plus two additional 1 hour lectures per semester. Eight 4 hour practicals per semester. **Prerequisites:** At least 6 credit points of MBLG units and Distinction in 6 credit points of Intermediate MICR units. For BMedSc students: 42 credit points of Intermediate BMED units including BMED (2802 and 2807) with a Distinction in at least one of these two. For BScAgr students: PLNT (2001 or 2901) and MICR2024 including one Distinction. **Prohibitions:** MICR3022, MICR3002, MICR3902 **Assessment:** One 2 hour exam, practical report, lab book, prac skills (continuous), essay on advanced lecture topic. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit is available to students who have performed well in Intermediate Microbiology and has the same core components as MICR3022. In addition, MICR3922 includes two advanced lectures related to the research interest in the Discipline of Microbiology that are relevant to microbial biotechnology. The assessment component specific to MICR3922 is an essay researched from the scientific literature on a topic introduced in the advanced lecture course. Students taking both MICR3922 and MICR3912 may be eligible to undertake a research project (~60h) in a Microbiology lab (School of MMB) to replace the practical component of both courses. Research projects are assessed by lab performance, lab book and an oral presentation. Allocation to a research project is based on academic merit as places are limited.

### MICR4011

#### Microbiology Honours A Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Entry into the School Honours program normally requires a credit average in a major relevant to the chosen project or relevant 24 credit points of senior study. The School will*



consider entry to students who do not have this requirement if their overall academic performance indicates an equivalent performance in other subject areas or if their SCIWAM exceeds 65.

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons).

Students enrolled in the Honours program study various advanced aspects of Microbiology. The program may include lectures, tutorials, seminars and practicals. Students will undertake a research project. Assessment will include the project and may include examination and coursework.

#### MICR4012

##### Microbiology Honours B Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Department permission required for enrolment **Corequisites:** MICR4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Entry into the School Honours program normally requires a credit average in a major relevant to the chosen project or relevant 24 credit points of senior study. The School will consider entry to students who do not have this requirement if their overall academic performance indicates an equivalent performance in other subject areas or if their SCIWAM exceeds 65.*

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons).

See MICR4011

#### MICR4013

##### Microbiology Honours C Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MICR4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Entry into the School Honours program normally requires a credit average in a major relevant to the chosen project or relevant 24 credit points of senior study. The School will consider entry to students who do not have this requirement if their overall academic performance indicates an equivalent performance in other subject areas or if their SCIWAM exceeds 65.*

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons).

See MICR4011

#### MICR4014

##### Microbiology Honours D Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MICR4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Entry into the School Honours program normally requires a credit average in a major relevant to the chosen project or relevant 24 credit points of senior study. The School will consider entry to students who do not have this requirement if their overall academic performance indicates an equivalent performance in other subject areas or if their SCIWAM exceeds 65.*

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons), B Sc (Molecular Biology and Genetics)(Hons).

See MICR4011

#### MKTG1001

##### Marketing Principles Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 1 lecture and 1 tutorial per week **Prohibitions:** MKTG2001 **Assessment:** Marketing plan; Group presentation; Tutorial assignment ; Two exams **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, UG Study Abroad Program.

This unit examines the relationships among marketing organisations and final consumers in terms of production-distribution channels or value chains. It focuses on consumer responses to various marketing decisions (product mixes, price levels, distribution channels, promotions, etc.) made by private and public organisations to create,

develop, defend, and sometimes eliminate, product markets. Emphasis is placed on identifying new ways of satisfying the needs and wants, and creating value for consumers. While this unit is heavily based on theory, practical application of the concepts to "real world" situations is also essential. Specific topics of study include: market segmentation strategies; market planning; product decisions; new product development; branding strategies; channels of distribution; promotion and advertising; pricing strategies; and customer database management.

#### MKTG1002

##### Marketing Research 1 Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 lecture and 1 tutorial per week **Prerequisites:** MKTG1001 (or MKTG2001) **Prohibitions:** MKTG2003 **Assessment:** Group project; Tutorial participation portfolio; Individual critique; Exams (mid-semester and final) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, UG Study Abroad Program.

Fundamental to marketing is a requirement to understand who your customers are and what they want. Marketing research is the essential activity of discovering information and presenting it in a useful format to marketing decision makers. This unit introduces the skills and knowledge necessary to allow students to accurately formulate research questions and then discover answers ensuring that these are accurate, reliable and timely. Particular focus is given to different approaches to and aspects of data collection, including: qualitative research; secondary data collection; questionnaire design; sampling; experimental design; validity and basic data analysis.

#### MKTG1551

##### Marketing Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, B Int S.

#### MKTG1552

##### Marketing Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, B Int S.

#### MKTG2010

##### Marketing Channels and Logistics Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 lecture and 1 tutorial per week **Assessment:** Assessment is based on Tutorial Discussion, Written Discussion Question Summary, Mid-semester Test, Team Report, Team Presentation, and the Final Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B Agr Ec, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program.

This unit of study will introduce students to Marketing Channels and Logistics and demonstrate the range of ways in which these important functions complement each other. For example, Marketing focuses on managing and enhancing perceived value from the customer viewpoint, while Logistics focuses on achieving cost-efficient delivery mechanisms. Companies prosper when customers perceive high value and the company achieves this at lowest cost. The unit will address key marketing channels and logistics topics such as, the roles and interface between the marketing and logistics functions within the firm; value exchange (from both business and customer perspective); delivering value through marketing channels and the retail interface.

It will also familiarise students with managing relationships across the distribution chain; the role of logistics in the economy; logistics as value streams; order management and customer service; the management of inventory in logistics processes; and logistics, information technology and information systems.

### **MKTG2112** **Consumer Behaviour** **Economics and Business**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 lecture and 1 tutorial per week **Prerequisites:** MKTG1001 (or MKTG2001) **Prohibitions:** MKTG2002 **Assessment:** Consumer behaviour audit; Group presentation; Case analyses; Two exams **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, UG Study Abroad Program.

This unit examines the psychological, social, and cultural aspects of consumer behaviour on the marketing decisions of public and private organisations. Concepts and principles are drawn from disciplines such as cognitive psychology, social psychology, sociology, anthropology, and demography to discover and understand various aspects of consumer behaviour. Specific topics of study include: cultural, demographic and psychographic influences; reference group influences; household decision processes and consumption behaviour; consumer perception and learning; motivation, personality and emotion; consumer attitudes; and purchase decision processes.

### **MKTG2551** **Marketing Exchange** **Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

### **MKTG2552** **Marketing Exchange** **Economics and Business**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

### **MKTG3112** **Marketing Communications** **Economics and Business**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 lecture and 1 tutorial per week **Prerequisites:** MKTG1001 (or MKTG2001) **Prohibitions:** MKTG3002 **Assessment:** Assignment; Quiz; Project; Participation; Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, UG Study Abroad Program, UG Summer/Winter School.

This unit of study offers an introduction to and overview of current theory and practice in marketing communications. It will include aspects of advertising in the main media (television, radio, print, outdoor, cinema), sales promotion, personal selling and new media, such as the Internet. It will provide students with a sound theoretical/conceptual foundation as well as the strategic/practical perspectives of Marketing Communications planning and implementation.

### **MKTG3114** **New Products Marketing** **Economics and Business**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 lecture and 1 tutorial per week **Prerequisites:** MKTG1001 (or MKTG2001) **Prohibitions:** MKTG3004 **Assessment:** Group Presentation; Group project; Two exams **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, UG Study Abroad Program.

New products and services are crucial to successful growth and increased profits in many industries. The goal is to help students learn how to develop and market new products and services in both the private and public sectors. A product development assignment is carried out to reinforce the material covered and to provide realistic examples of how new products are designed, tested and launched.

### **MKTG3116** **International Marketing** **Economics and Business**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 lecture and 1 tutorial per week **Prerequisites:** MKTG1001 (or MKTG2001) **Prohibitions:** MKTG3006 **Assessment:** Participation; Case presentation; International business theatre; Examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, UG Study Abroad Program.

This unit introduces students to international marketing using the marketing concept. It firstly considers environmental factors and then studies how marketing strategies are affected by those environmental factors. It gives students an awareness and understanding of international marketing concepts and highlights their importance in a rapidly changing global economy. Additionally the unit develops students' skills in designing and implementing marketing strategies in diverse international contexts.

### **MKTG3117** **Services Marketing** **Economics and Business**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 lecture and 1 tutorial per week **Prerequisites:** MKTG1001 (or MKTG2001) **Prohibitions:** MKTG3007 **Assessment:** Group project; Group presentation; Participation; Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, UG Study Abroad Program.

This unit provides an understanding of the concepts and processes specifically applicable to services marketing. Services are by nature different from products, and therefore lead to a set of different marketing challenges faced by service-based organisations such as those in tourism, hospitality, health care, aviation, banking, financial, accounting, medical and legal services industries. The unit focuses on those aspects of services that require differential understanding and execution than in a product-marketing environment. Customer care, relationship marketing, and how to use service as a competitive advantage are the other primary areas of interest covered by the unit

### **MKTG3118** **Marketing Strategy and Planning** **Economics and Business**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 lecture and 1 tutorial per week **Prerequisites:** MKTG1001 (or MKTG2001), MKTG1002 (or MKTG2003), and MKTG2112 (or MKTG2002) **Prohibitions:** MKTG3201 **Assessment:** Case study; Web-based strategy simulation; and Final examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B Agr Ec, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program.

This course will focus on strategic and managerial aspects of marketing. It will cover the development of innovative, business models; segmentation, positioning and lifecycle strategies; and key aspects of managing and organising marketing activities, and measuring performance. The central theme is how marketing strategy and its management can create superior and sustainable value for both customers and shareholders. Assessment will reflect the Unit's strategic decision-making approach, requiring students to take on the roles of marketing advisors and managers.

### **MKTG3119** **Public Relations Management**

## Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 lecture and 1 tutorial per week. **Prerequisites:** MKTG1001 (or MKTG2001) **Assessment:** Mid-semester examination; Tutorial work/participation; Case study; Group/individual project; Presentation; Assignment; Report; Essay; Final examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B Agr Ec, B C S T, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec (Soc Sc), B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B I T, B Int S, B Sc, B Com, UG Study Abroad Program.

Every organisation in the public and private sector makes use of public relations in some form or another. Indeed, for many organisations and marketing professionals, the marketing function is dominated by a mix of advertising, integrated marketing communications and public relations. This subject develops the theoretical and applied knowledge for students to better understand and use public relations. This subject provides a detailed inspection of communication processes necessary for the management of organizational relationships with publics by public relations practitioners. The subject addresses topics such as issues management, event management, media relations, ethics and public relations in commercial and not for profit entities to explore the foundations of contemporary public relations management.

### MKTG3120

#### Building and Managing Brands Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 lecture and 1 tutorial per week **Prerequisites:** MKTG1001 (or MKTG2001) **Assessment:** Tutorial work/participation; Mid-semester examination; Group project - presentation and report; Final examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B Agr Ec, B C S T, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec (Soc Sc), B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B I T, B Int S, B Sc, B Com, UG Study Abroad Program.

The most important intangible asset of any organisation is its brand or portfolio of brands. Marketers use an array of internal and external communications approaches to deliver the brand's overall value proposition and experience to its key stakeholders and target customers, and thereby build brand equity. Names, symbols, and slogans along with their underlying associations, perceived quality, brand awareness, customer base and related proprietary resources form the basis for brand equity. Most brands fail because of the lack of proper market research and analysis that enables the brand's core values to be articulated, accurate positioning strategies to be developed, and complete alignment to be achieved between internal and external brand building communications. This unit helps students understand the concept of brand equity and the management of brand assets by learning how to strategically create, position, develop and sustain brand equity.

### MKTG3121

#### Advertising: Creative Principles Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 1 lecture and 1 tutorial per week **Prerequisites:** MKTG1001 or MKTG2001 **Assessment:** Essay style Final Exam. Two Tutorial Papers. Group Project, which includes a written report and presentation. Participation, which includes attendance at tutorials and lectures, a number of tutorial tasks and contribution to tutorial debate and discussion. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B Agr Ec, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B Int S, B Sc, B Com, UG Study Abroad Program.

Most organisations use advertising to introduce themselves, their products and services to their existing and potential customers. Advertising is their public face and together with integrated marketing communications and public relations is one of the three pillars of commercial communication. This subject explores the creative material that is developed and produced to contact, inform, educate and influence consumer decisions. Advertising is the point where communication theory is put into practice. Through understanding the creative principles and practices of advertising personnel involved in marketing will be able to commission, evaluate and produce creative

material to professional industry standards. The subject addresses topics such as the importance of creativity; messaging issues, determining consumer insights; the creative potential and purpose of different media; developing creative concepts; determining the advertising idea; producing the final creative material and taking it to the marketplace.

### MKTG3551

#### Marketing Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

### MKTG3552

#### Marketing Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

### MKTG3553

#### Marketing Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

### MKTG3554

#### Marketing Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

### MKTG3555

#### Marketing Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

### MKTG4101

#### Marketing Honours A Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Requirements for the Pass degree must be completed before entry to level 4000 honours units of study **Assessment:** Coursework and research. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Com (Hons), B Ec (Hons), B Ec Soc Sc (Hons), B Int S (Hons).

The honours program in Marketing provides specialist training for postgraduate research in marketing, and provides graduates with the analytical skills for solving problems in marketing practice. The program consists of one coursework unit and a two-semester dissertation, written under the supervision of one or more academic staff members.

Marketing Honours A and B involve an expert led series of research seminars which prepares students with the requisite skills to complete their dissertation. In addition, these seminars provide students with research skills that can be applied in either an academic or commercial context.

#### **MKTG4102** **Marketing Honours B** **Economics and Business**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Requirements for the Pass degree must be completed before entry to level 4000 honours units of study **Corequisites:** MKTG4101 **Assessment:** Coursework and research **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Ec (Hons), B Ec Soc Sc (Hons), B Int S (Hons).

Marketing Honours B represents the second part of the semester 1 seminar series. It will guide students as they find and narrow down a thesis topic and will help them prepare for the thesis proposal presentation.

#### **MKTG4103** **Marketing Honours C** **Economics and Business**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. **Corequisites:** MKTG4102 **Assessment:** Coursework and research **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Ec (Hons), B Ec Soc Sc (Hons), B Int S (Hons).

Marketing Honours C and D provide students with the opportunity to plan, conduct and report on their chosen dissertation topics. Students work closely under their supervisor(s) to complete this exciting challenging research project. The honours dissertation is expected to be a high quality piece of research, of sufficient standard to be published independently in either marketing journals or conference proceedings.

#### **MKTG4104** **Marketing Honours D** **Economics and Business**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. **Corequisites:** MKTG4103 **Assessment:** Coursework and research. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com (Hons), B Ec (Hons), B Ec Soc Sc (Hons), B Int S (Hons).

Marketing Honours C and D provide students with the opportunity to plan, conduct and report on their chosen dissertation topics. Students work closely under their supervisor(s) to complete this exciting challenging research project. The honours dissertation is expected to be a high quality piece of research, of sufficient standard to be published independently in either marketing journals or conference proceedings.

#### **MKTG9001** **Marketing Extension** **Economics and Business**

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

#### **MKTG9002** **Marketing Extension** **Economics and Business**

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

#### **MKTG9003** **Marketing Extension** **Economics and Business**

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

#### **MKTG9004** **Marketing Extension** **Economics and Business**

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

#### **MOBT2102** **Molecular Biotechnology 2** **Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Matthew Todd **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 12 credit points of Junior Biology and 12 credit points of Junior Chemistry **Prohibitions:** MOBT2001 **Assessment:** One 2 hour theory exam (70%) and in-semester assessments (30%). NB Students must pass the theory exam to pass the unit overall. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study is only available to students in enrolled the BSc (Molecular Biotechnology) degree.*

**Associated degrees:** B Sc (Molecular Biotechnology), UG Study Abroad Program.

The main purpose of this unit of study is to introduce students to the core concepts of modern molecular biotechnology and build a base for future study in this discipline. It assumes students will have knowledge of Molecular Biology and Genetics through previous study of MBLG1001 and MBLG2771/2871 and concurrent study of MBLG2072/2972. It commences with an introduction to the biotechnology revolution and its impact worldwide. Students are then introduced to how large biomolecules are exploited in drug discovery with discussions of structural diversity in macromolecules, the construction of synthetic peptide and oligonucleotide combinatorial libraries, the uses and screening of such libraries in drug discovery together with examples from industry. This unit proceeds with considerations of the chemical synthesis of pharmaceuticals to specific drug targets. Structure-activity relationships, the use of biomolecules such as proteins versus natural products in drug design, the role of DNA as a drug target, and the importance of metals ions are all discussed together with case studies from industry. Issues associated with pharmaceutical stability and metabolism are then described. The unit concludes with an overview of the commercialization of discoveries in science with consideration given to the role of researchers, universities and industry interactions, and regulatory and patent issues. This is followed by an appreciation of the societal impact and ethics of biotechnology, including how the industry and researchers interact with, and inform, the public. Guest lecturers will contribute to these presentations to help students develop an appreciation of emerging areas in molecular biotechnology from a broad perspective.

##### *Textbooks*

Glick, BR and Pasternak, JJ. Molecular Biotechnology: Principles and Applications of Recombinant DNA. 3rd Edition. ASM Press, Washington.2003. ISBN 1-55581-224-4 (hardcover) or ISBN 1-55581-269-4 (paperback)

#### **MOBT2551** **Molecular Biotechnology Exchange** **Science**

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Molecular Biotechnology).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MOBT2552

#### Molecular Biotechnology Exchange

##### Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Molecular Biotechnology).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MOBT3101

#### Molecular Biotechnology 3A

##### Science

**Credit points:** 6 **Teacher/Coordinator:** Dr. Neville Firth **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** MOBT2102 **Prohibitions:** MOBT2002 **Assumed knowledge:** MBLG (2072 or 2972). **Assessment:** One 2 hour theory exam (70%) and in-semester assessments (30%). Students must pass the theory exam to pass the unit overall. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: NB: This unit of study is only available to students enrolled in the BSc (Molecular Biotechnology) degree.*

**Associated degrees:** B Sc (Molecular Biotechnology).

This unit of study builds on MOBT2102 and to expand concepts and applications of modern molecular biotechnology. It assumes students have previously been taught molecular biology and genetics through MBLG2072/2972. It commences with the synthesis of commercial products by recombinant microorganisms, including small biological molecules, antibiotics, polymers, nucleic acids and proteins, then leads onto large-scale production of proteins from recombinant microorganisms. Students will be introduced to scaled-up microbial growth and bioreactors, combined with typical large-scale fermentation systems and downstream processing. This will be broadened to an appreciation of yeast and mammalian cells in large-scale production. Examples of major protein-based therapeutics will be examined in detail. The unit introduces students to genome sequencing and technologies, and follows with the impact of proteomics in identifying new drug targets and therapeutics, its interplay with genomics, disease states, quantitative vs. qualitative profiles, and the role of bioinformatics in data and database management. The role of protein structure on function and the engineering of protein structures is briefly described. Agricultural and environmental biotechnology is introduced with a focus on promoting plant growth, the utilisation of starch and cellulose, the application of enzymes in food processing, bioremediation strategies and green manufacturing technologies and the impact heavy metals and pesticides on the environment. Issues facing start-up companies and the commercialisation of discoveries complete the unit.

##### Textbooks

Glick, BR and Pasternak, JJ. Molecular Biotechnology: Principles and Applications of Recombinant DNA. 3rd Edition, 2003, ASM Press, Washington, ISBN 1-55581-224-4 (hardcover) or ISBN 1-55581-269-4 (paperback)

### MOBT3202

#### Molecular Biotechnology 3B Project

##### Science

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Kevin Downard **Session:** Semester 2 **Classes:** 75 hours industry related project over the semester **Prerequisites:** MOBT2002 or MOBT3101 **Prohibitions:** MOBT3002, MOBT3102 **Assessment:** Presentation, project report and essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study is only available to students enrolled in the BSc (Molecular Biotechnology) degree.*

**Associated degrees:** B Sc (Molecular Biotechnology).

This Senior unit of study builds on the knowledge gained in earlier units of modern molecular biotechnology. It emphasises applications of molecular biotechnology including product design, research and development, and the importance of recognising industry trends. This will typically involve an industry placement or a detailed industry case study, on-site visits, and interactions with industry partners in association with university staff. To maximize future opportunities, students will learn about funding and research and development. As well as industry-relevant experience, students will research biotechnology kits and technologies.

##### Textbooks

Glick, BR and Pasternak, JJ. Molecular Biotechnology: Principles and Applications of Recombinant DNA. 3rd Edition, 2003, ASM Press, Washington, ISBN 1-55581-224-4 (hardcover) or ISBN 1-55581-269-4 (paperback)

### MOBT3551

#### Molecular Biotechnology Exchange

##### Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Molecular Biotechnology).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MOBT3552

#### Molecular Biotechnology Exchange

##### Science

**Credit points:** 12 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Molecular Biotechnology).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MOBT3553

#### Molecular Biotechnology Exchange

##### Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### MOBT4301

#### Molecular Biotechnology Honours A

##### Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Sc (Molecular Biotechnology)(Hons).

Students enrolled in the Honours program study various advanced aspects of Molecular Biotechnology. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

## MOBT4302

### Molecular Biotechnology Honours B Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MOBT4301  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Sc (Molecular Biotechnology)(Hons).

Students enrolled in the Honours program study various advanced aspects of Molecular Biotechnology. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

## MOBT4303

### Molecular Biotechnology Honours C Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MOBT4302  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Sc (Molecular Biotechnology)(Hons).

Students enrolled in the Honours program study various advanced aspects of Molecular Biotechnology. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

## MOBT4304

### Molecular Biotechnology Honours D Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MOBT4303  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Sc (Molecular Biotechnology)(Hons).

Students enrolled in the Honours program study various advanced aspects of Molecular Biotechnology. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

## MRTY1031

### Medical Radiation Physics Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Barrie Egerton **Session:** Semester 1 **Classes:** 4hrs lectures, 2hrs tutorials/week and directed independent learning **Assumed knowledge:** HSC Physics, 2 unit Maths **Assessment:** Two common and stream specific test (10% ea), 1hr MCQ/SAQ class test (30%), 2hr end semester MCQ/SAQ exam (50%) **Practical field work:** Practical classes will be provided as required **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students without the assumed knowledge are strongly advised to enrol in the Foundation Mathematics and Physics Bridging Courses offered prior to the commencement of Semester 1*

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program.

This unit introduces students to the safe use of ionising radiation common to all medical radiations. It commences with an examination of the structure of matter, the various modes of radioactive decay together with the types of ionising radiation and their interactions with matter. Discipline specific fundamental physics will also be covered.

*Textbooks*

Graham & Cloke, Principles of Radiological Physics (4th ed), (2003)

## MRTY1032

### Preparation for Practice Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Nikki Field **Session:** Semester 1 **Classes:** 4hrs lectures, 2hrs tutorials/week and directed independent learning **Assessment:** 500 word assignment (16%), two group presentations (22% ea), 2hr final exam (40%) **Practical field work:** Practical classes will provide students with experience in patient care, practitioner patient communication and fundamental discipline specific practice **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: The clinical placement component will be undertaken during semester break and must be completed prior to Semester 2*

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program.

This unit of study introduces the student to the key generic components of professional practice, patient care, communication skills and ethical behaviour. Students will also be introduced to their discipline specific practice, which will include a short clinical placement.

*Textbooks*

Discipline specific text

## MRTY1033

### Radiographic Practice 1 Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Sue Miller **Session:** Semester 2 **Classes:** 4hrs lectures, 2hrs tutorials/week and directed independent learning **Prerequisites:** MRTY1032 Preparation for Practice **Assessment:** Assignment, class tests, exam **Practical field work:** Practical classes will provide students with experience in patient care, practitioner patient communication and fundamental discipline specific practice **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad, UG Study Abroad Program.

This unit of study integrates knowledge from both basic and applied clinical sciences and focuses on the radiographer and the patient. Professional practice and personal development issues are considered at the same time as designated techniques. This unit of study will introduce the student to the basic principles of radiography. This unit will also provide students with the knowledge and skills to perform radiographic examinations of the chest, upper and lower limbs and abdomen.

*Textbooks*

Merrill's Atlas of Radiographic Positions

## MRTY1034

### Nuclear Medicine Practice 1 Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Elisabeth Kilburn-Watt **Session:** Semester 2 **Classes:** 4hrs lectures, 2hrs tutorials/week and directed independent learning **Prerequisites:** MRTY1032 Preparation for Practice **Assessment:** 1000 word assignment (20%), practical report (20%), 2hr final exam (60%) **Practical field work:** Practical classes will provide students with experience in procedures and radiopharmacy **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Nuclear Med, UG Study Abroad Program.

This unit of study introduces the student to the fundamental aspects of the most commonly performed imaging procedures in nuclear medicine. It provides a study of the anatomy, physiology, and radiopharmaceutical bio-distributions which are fundamental to an understanding of the imaging procedures. Practical aspects of acquisition and radiopharmacy will be introduced.

*Textbooks*

Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby

## MRTY1035

### Radiation Therapy Practice 1 Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mrs Nikki Field **Session:** Semester 2 **Classes:** 4hrs lectures, 2hrs tutorial/week and directed independent learning **Prerequisites:** MRTY1032 Preparation for Practice **Assessment:** 1.5hr practical class test (30%), 1500 word assignment (30%), 2hr practical final test (40%) **Practical field work:** Practical classes will provide students with experience in planning simple palliative techniques **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Rad Thpy, UG Study Abroad Program.

This unit of study concentrates on the acquisition of the knowledge and skills to enable the student to satisfactorily plan, calculate and treat simple palliative techniques on the linear accelerator. The role of the radiation therapist as a supporter and educator of the patients will also be covered.

*Textbooks*

Washington C & Leaver D, Principles and Practice of Radiation Therapy (2nd ed), Mosby, St Louis (2004)

**MRTY1036****Health Physics and Radiation Biology  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Dr Barrie Egerton **Session:** Semester 2 **Classes:** Three 1hr lectures/week, one 1hr tutorial, 2hr practical class/fortnight **Prerequisites:** MRTY1031 Medical Radiation Physics **Assessment:** Mid semester 1hr MCQ/SAQ exam (30%), end semester 2hr MCQ/SAQ exam (50%), practical work and/or assignment (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy.

This unit of study develops radiation biology for radiological protection and provides a foundation for the physics and instrumentation of devices used in the medical radiation sciences. The unit explores what is known about the effects of ionising and non-ionising radiation on biological systems. An in-parallel study of the general principals of optics, optical fibres, electricity and magnetism, electrical safety and basic electronics provides a foundation for the introduction of ultrasonic transducers, cyclotrons, oscilloscopes, colour television and liquid crystal displays applicable to medical radiation sciences that employ ionising or non-ionising radiation.

**Textbooks**

Dowd SB and Tilson ER, Practical Radiation Protection and Applied Radiation Biology (2nd ed), Elsevier (1999)  
Graham D and Cloke P, Principles of Radiologic Physics (4th ed), Churchill Livingstone (2003)

**MRTY2080****Radiographic Practice 2.1  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Mr John Robinson **Session:** Semester 1 **Classes:** 4hrs lectures, 2hrs tutorials/week and directed independent learning **Prerequisites:** MRTY1033 Radiographic Practice 1 **Assessment:** Assignments, class tests, class presentations, computer-based assessment **Practical field work:** Practical classes will provide students with experience in patient care, practitioner-patient communication, radiographic positioning and appropriate anatomy and pathology recognition. The tutorial classes will focus on the development of a clinical knowledge through the use of clinical scenarios **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad, UG Study Abroad Program.

In this unit of study the student will investigate radiographic techniques and study the roles of additional imaging modalities in the diagnosis of trauma, injury and disease, in particular, of the musculoskeletal system. The unit of study is divided into modules focusing on designated regions and will generate an inquiry-based learning in the student with class presentations forming a 'wrap-up' seminar for each module. Aspects covered within each module will include patient preparation, contrast media administration, technical considerations, radiographic pathology, with the routine protocols being supported by evidence drawn from reference articles. Practical: practical classes will provide students with experience in patient care, practitioner patient communication, radiographic positioning and appropriate anatomy and pathology recognition. The tutorial classes will focus on the development of a clinical knowledge through the use of clinical scenarios.

**Textbooks**

Ballinger PWP & Frank ED, Merrill's Atlas of Radiographic Positions and Radiologic Procedures, Mosby, St Louis

**MRTY2081****Clinical Education 2.1DR  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Mr Andrew Kilgour **Session:** Semester 1, Semester 2 **Classes:** On-campus and clinical centre, 35hrs/week for 6 weeks **Prerequisites:** MRTY1033 Radiographic Practice 1 **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** Clinical departmental assessment (25%), written case studies (50%), university supervisor assessment (25%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Note:** Department permission required for enrolment in the following sessions: Semester 2.

**Associated degrees:** B App Sc (MRS) Diag Rad.

This unit of study requires students to attend six (6) weeks of clinical practice in the workplace. During this unit of study, students will practice the radiographic skills basic to anatomical areas such as the chest and extremities. Students are required to reflect upon their professional role and acquire competencies in general skeletal and chest radiography.

**Textbooks**

Students are supplied with a clinical workbook specific to their UoS

**MRTY2082****Radiographic Physics 2  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Dr Elaine Ryan **Session:** Semester 1 **Classes:** 4hrs lectures, 2hrs tutorials/week and directed independent learning **Prerequisites:** MRTY1031 Medical Radiation Physics **Assessment:** Practical (10%), class test (25%), final exam (65%) **Practical field work:** Practical classes will provide students with experience in quality control and application of clinical radiation safety **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad, UG Study Abroad Program.

This unit of study introduces the student to the construction, design, operation and quality control of general radiographic and processing equipment. A section on conventional tomography, computerised tomography and associated radiation protection will also be included.

**Textbooks**

Curry TS et al, Christensen's Physics of Diagnostic Radiology (4th ed)

**MRTY2083****Nuclear Medicine Practice 2.1  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Ms Elisabeth Kilburn-Watt **Session:** Semester 1 **Classes:** 4hrs lectures, 2hrs tutorials/week and directed independent learning **Prerequisites:** MRTY1034 Nuclear Medicine Practice 1 **Assessment:** Class test, assignment, final exam **Practical field work:** Practical classes will provide students with experience in procedures, computer and radiopharmacy **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Nuclear Med, UG Study Abroad Program.

This unit of study extends the learning of the most commonly performed imaging procedures in nuclear medicine and introduces the appreciation of abnormal studies. Computer analysis of functional data and tomographic imaging, reconstruction and display will be presented. It provides a study of the pathophysiology and altered radiopharmaceutical bio-distributions and the variations of imaging procedures that may be undertaken. Further theoretical aspects of acquisition and radiopharmaceutical use will be developed. Aspects of quality control of nuclear medicine practice will be introduced.

**Textbooks**

Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby

**MRTY2084****Nuclear Medicine Physics 2  
Health Sciences**

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Dale Bailey **Session:** Semester 1 **Classes:** 4hrs lectures, 2hrs tutorials/week and directed independent learning **Prerequisites:** MRTY1031 Medical Radiation Physics **Assessment:** Practicals/tutorials, class test, final exam **Practical field work:** Practical classes will provide students with experience in radiation detection, measurement and gamma camera functional parameters **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Nuclear Med, UG Study Abroad Program.

This course covers the physical fundamentals of nuclear medicine imaging from the instrumentation and computing perspectives. Starting with simple detectors, students will learn about the components of the gamma camera in detail, the use of computers for data acquisition and analysis, and the bases for tomographic imaging. Some discussion of complementary imaging devices such as X-ray CT is included. The course lays the foundations for students in understanding the functional measurement, imaging and analysis techniques used in nuclear medicine.

**Textbooks**

Cherry SR, Sorenson JA & Phelps ME, Physics in Nuclear Medicine (3rd ed), Saunders (2003)

## MRTY2085

### Clinical Education 2.1NM

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Tracey Smith **Session:** Semester 1, Semester 2 **Classes:** On-campus tutorials, off-campus clinical placement, 35hrs/week for 6 weeks **Prerequisites:** MRTY1034 Nuclear Medicine Practice 1 **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** Clinical assessment, oral case study, practical test **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

*Note: The clinical placement component of this unit of study will be undertaken 6 weeks prior to Semester 1 commencing*

**Associated degrees:** B App Sc (MRS) Nuclear Med.

This unit of study will provide the student with a structured program of clinical experience to attain skills and applied knowledge in nuclear medicine procedures. Students will be required to demonstrate a range of skills, attributes and knowledge at a level of fundamental practice.

#### Textbooks

Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby

## MRTY2086

### Radiation Therapy Practice 2.1

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Yobelli Jimenez **Session:** Semester 1 **Classes:** 2hrs lectures, 4hrs tutorials/week and directed independent learning **Prerequisites:** MRTY1035 Radiation Therapy Practice 1 **Assessment:** Class test, module presentations, final exam **Practical field work:** Practical classes will provide the student with experience in planning pelvic and primary breast tumour techniques using 3D treatment planning systems **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Rad Thy, UG Study Abroad Program.

This unit of study concentrates on the acquisition of the knowledge and skills to enable the student to satisfactorily plan, calculate and treat radical radiation therapy techniques of the pelvis and breast. Oncology principles and the role of the radiation therapist as a supporter of psychosocial health and educator of the patient will also be covered.

#### Textbooks

Washington C & Leaver D, Principles and Practice of Radiation Therapy (2nd ed), Mosby, St Louis (2004)  
Online web based materials

## MRTY2087

### Radiation Therapy Physics 2

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mr Mark West **Session:** Semester 1 **Classes:** 4hrs lectures, 2hrs tutorials/week and directed independent learning **Prerequisites:** MRTY1031 Medical Radiation Physics **Assessment:** Class test, assignment, final exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Rad Thy, UG Study Abroad Program.

This unit of study concentrates on the physical principles and application of ionising radiation in radiation therapy. The method and measurement of radiation therapy beams will also be covered.

#### Textbooks

Khan FM, The Physics of Radiation Therapy (3rd ed), Lippincott, Williams & Wilkins, Baltimore (2003)

## MRTY2088

### Clinical Education 2.1RT

#### Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Clinical placement, 35hrs/week for 6 weeks **Prerequisites:** MRTY1035 Radiation Therapy Practice 1 **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** Case study, reflective summary, final clinical assessment **Practical field work:** 35hrs/week for 6 weeks **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B App Sc (MRS) Rad Thy.

This unit of study places students in clinical radiation oncology centres throughout Australia. This unit aims to provide the student with a structured program where the knowledge, skills and attributes to practice are applied to the clinical setting. Students will focus on developing their simulation, planning and treatment skills in superficial, orthovoltage, single photon and parallel opposed techniques.

#### Textbooks

Washington C & Leaver D, Principles and Practice of Radiation Therapy (2nd ed), Mosby, St Louis (2004)

## MRTY2089

### Integrated Diagnosis and Treatment

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mr John Robinson **Session:** Semester 2 **Classes:** 5hrs lectures, 2hrs tutorials/week and directed independent learning **Assessment:** Assignment, class test, final exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thy, UG Study Abroad Program.

Students will develop an appreciation of the applications of diagnostic imaging modalities to different disease states. The relationship of appropriate therapy will be incorporated together with relevant ethical and radiation implications for the patient and health professional.

#### Textbooks

Students are supplied with online reading material

## MRTY2090

### Clinical Education 2.2DR

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mr Andrew Kilgour **Session:** Semester 1, Semester 2 **Classes:** On-campus and clinical centre, 35hrs/week for 6 weeks **Prerequisites:** MRTY2081 Clinical Education 2.1DR **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** Clinical departmental assessment (50%), written case studies (50%) **Practical field work:** Clinical placement of 6 weeks **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (MRS) Diag Rad.

This unit of study requires students to attend six (6) weeks of clinical practice in the workplace. During this unit of study, students will practice the radiographic skills basic to anatomical areas such as the pelvic girdle, spine and skull/face, whilst consolidating their general skeletal radiography. Students are required to reflect upon their professional role and acquire competencies in skeletal, spinal and skull radiography.

#### Textbooks

Students are supplied with a clinical workbook specific to their UoS

## MRTY2091

### Clinical Education 2.3DR

#### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mr Andrew Kilgour **Session:** Semester 1, Semester 2 **Classes:** On-campus and clinical centre, 35hrs/week for 6 weeks **Prerequisites:** MRTY2081 Clinical Education 2.1DR **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** Clinical departmental assessment (25%), written case studies (50%), OSCE (25%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (MRS) Diag Rad.

This unit of study requires students to attend six (6) weeks of clinical practice in the workplace. During this unit of study, students will practice the radiographic skills basic to anatomical areas such as the renal and GIT systems whilst consolidating their skills in pelvic girdle,



spine, skull/face and skeletal radiography. Students are required to reflect upon their professional role and acquire competencies in GIT, renal, skeletal, spinal and skull radiography.

#### Textbooks

Students are supplied with a clinical workbook specific to their UoS

### MRTY2092 Radiographic Practice 2.2 Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mr John Robinson **Session:** Semester 2 **Classes:** 5hrs lectures, 5hrs tutorials/week and directed independent learning **Assessment:** Assignments, class tests, class presentations, computer-based assessment **Practical field work:** Practical classes will provide students with experience in patient care, practitioner patient communication, radiographic positioning and appropriate anatomy and pathology recognition. The tutorial classes will focus on the development of a clinical knowledge through the use of clinical scenarios **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad, UG Study Abroad Program.

This unit of study integrates knowledge from both basic and applied clinical sciences and focuses on the radiographer and the patient. Professional practice and personal development issues are considered at the same time as designated techniques. In this unit of study the student will investigate radiographic techniques and study the roles of additional imaging modalities in the diagnosis of trauma, injury and disease, in particular, of the axial skeleton and the internal body systems. The unit of study is divided into modules focusing on designated regions and will be delivered using inquiry-based learning. Aspects covered within each module will include patient preparation, contrast media administration, technical considerations, radiographic pathology, with the routine protocols being supported by evidence drawn from reference articles.

#### Textbooks

Ballinger PWP & Frank ED, Merrill's Atlas of Radiographic Positions and Radiologic Procedures, Mosby, St Louis

### MRTY2093 Clinical Education 2.2NM Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Tracey Smith **Session:** Semester 1, Semester 2 **Classes:** On-campus tutorials, off-campus clinical placement, 35hrs/week for 6 weeks **Prerequisites:** MRTY2085 Clinical Education 2.1NM **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** Clinical assessment, written case study, practical test **Practical field work:** Off-campus, 35hrs/week for 6 weeks **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

*Note: Satisfactory progress in the clinical achievements must be demonstrated in order to progress*

**Associated degrees:** B App Sc (MRS) Nuclear Med.

This unit of study will provide the student with a structured program of clinical experience to attain skills and applied knowledge in nuclear medicine procedures. Students will be required to demonstrate a range of skills, attributes and knowledge at a level above that of MRTY2085 Clinical Education 2.1NM.

#### Textbooks

Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby

### MRTY2094 Clinical Education 2.3NM Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Tracey Smith **Session:** Semester 1, Semester 2 **Classes:** On-campus tutorials, off-campus clinical placement, 35hrs/week for 6 weeks **Prerequisites:** MRTY2085 Clinical Education 2.1NM **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** Clinical assessment, practical test, assignment **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (MRS) Nuclear Med.

This unit of study will provide the student with a structured program of clinical experience to attain skills and applied knowledge in nuclear medicine procedures. Students will be required to demonstrate a range of skills, attributes and knowledge at a level above that of MRTY2093 Clinical Education 2.2NM and that is nearing those required of an entry level practitioner.

#### Textbooks

Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby

### MRTY2095 Nuclear Medicine Practice 2.2 Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Elisabeth Kilburn-Watt **Session:** Semester 2 **Classes:** 6hrs lectures, 3hrs tutorials/week and directed independent learning **Assessment:** Assignment, group presentation, final exam **Practical field work:** Practical classes will provide students with experience in procedures, computer and radiopharmacy **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Nuclear Med, UG Study Abroad Program.

This unit of study examines a number of body systems and the application of radiopharmaceuticals in nuclear medicine procedures. It provides a study of the pathophysiology and altered radiopharmaceutical bio-distributions and the variations of imaging procedures that may be undertaken. Further theoretical aspects of acquisition, interpretation and radiopharmaceutical use will be developed. Computer analysis of functional data and tomographic imaging, reconstruction and display will be presented. Aspects of quality control of nuclear medicine practice will be developed.

#### Textbooks

Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby

### MRTY2096 Clinical Education 2.2RT Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Clinical placement, 35hrs/week for 6 weeks **Prerequisites:** MRTY2088 Clinical Education 2.1RT **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** 2 case studies, reflective summary, final clinical assessment, observable clinical skills assessment **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (MRS) Rad Thpy.

This unit of study places students in clinical radiation oncology centres throughout Australia. This unit aims to provide the student with a structured program where the knowledge, skills and attributes to practice are applied to the clinical setting. Students will focus on developing their simulation, planning and treatment skills in pelvis and tangent breast techniques.

#### Textbooks

Washington C & Leaver D, Principles and Practice of Radiation Therapy (2nd ed), Mosby, St Louis (2004)

### MRTY2097 Clinical Education 2.3RT Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Clinical placement, 35hrs/week for 6 weeks **Prerequisites:** MRTY2088 Clinical Education 2.1RT **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** 2 case studies, reflective summary, final clinical assessment **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (MRS) Rad Thpy.

This unit of study places students in clinical radiation oncology centres throughout Australia. This unit aims to provide the student with a structured program where the knowledge, skills and attributes to

practice are applied to the clinical setting. Students will focus on developing their simulation, planning and treatment skills in head and neck and brain techniques.

#### Textbooks

Washington C & Leaver D, Principles and Practice of Radiation Therapy (2nd ed), Mosby, St Louis (2004)

### MRTY2098

#### Radiation Therapy Practice 2.2

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Yobelli Jimenez, Mr John Atyeo **Session:** Semester 2 **Classes:** 5hrs lectures, 5hrs tutorials/week and directed independent learning **Prerequisites:** MRTY2086 Radiation Therapy Practice 2.1 **Assessment:** Class test, module presentations, final exam **Practical field work:** Practical classes will provide the student with experience in planning primary head & neck and brain techniques using 3D treatment planning **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Rad Thpy, UG Study Abroad Program.

This unit of study concentrates on the acquisition of the knowledge and skills to enable the student to satisfactorily plan, calculate and treat radical radiation therapy techniques of the head & neck and breast. Oncology principles and the role of the radiation therapist as a supporter of psychosocial health and educator of the patients will also be covered.

#### Textbooks

Washington C & Leaver D, Principles and Practice of Radiation Therapy (2nd ed), Mosby, St Louis (2004)  
Online web based materials

### MRTY3099

#### Research in Medical Radiation Sciences

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mr Peter Kench **Session:** Semester 1 **Classes:** On-campus lectures and group work **Corequisites:** BACH2140 Research Methods for Health Sciences **Assessment:** Oral presentation, reports, assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Assessment is based on group work and peer evaluation*

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program.

This unit introduces the students to the role of research within the medical radiation sciences. Students will be able to select a research topic and develop hypotheses and aims. The development of a research plan is central to the unit, with emphasis on constructing an appropriate methodology for the topic and aims of the project. Skills will be developed in identifying and critical evaluation of current research articles resulting in a literature review appropriate for ethics application and introducing the research topic. Students will complete an application for human ethics approval and work in groups to foster a team approach to research.

### MRTY3100

#### Digital Imaging

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Roger Bourne **Session:** Semester 2 **Classes:** 3x1hr lectures/wk, 6x2hr pracs **Assumed knowledge:** Discipline specific Physics 2 (MRTY2082 Radiographic Physics 2, or MRTY2097 Nuclear Medicine Physics 2, or MRTY2087 Radiation Therapy Physics 2), MRTY2089 Integrated Diagnosis and Treatment **Assessment:** Mid-semester test (25%), practical assessment (25%), final exam (50%) **Practical field work:** Practical classes will provide students with experience in image processing. **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program.

This unit of study aims to develop an understanding of imaging theory, digital image processing, and storage systems as they apply to medical imaging.

#### Textbooks

Discipline specific recommended text

### MRTY3101

#### Ethics, Law and Professional Practice

### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Edwina Adams **Session:** Semester 2 **Classes:** Two 1hr lectures, 1hr practical/week **Assumed knowledge:** MRTY1032 Preparation for Practice **Assessment:** Assignments (stream specific), final exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program.

This unit consolidates and extends students learning of ethical, legal and professional practice in the medical radiation sciences. Theoretical aspects of ethics and law relating to the health sciences will be integrated with applied cases. Students will be required to identify and reflect on professional aspects of MRS practice and be aware of what it takes to work at a high professional standard. Students will become familiar with documents relating to their professional practice such as codes of conduct and licensing, and be able to use these documents in their ethical decision making.

#### Textbooks

Forrester K and Griffiths D, Essentials of Law for Health Professionals (2nd ed), Elsevier Australia, Mosby, Sydney (2003)

### MRTY3102

#### Medical Radiation Project

##### Health Sciences

**Credit points:** 6 **Session:** Semester 2 **Classes:** On-campus **Prerequisites:** MRTY3099 Research in Medical Radiation Sciences **Assessment:** Mid semester class presentation (20%), end semester class presentation (20%), 3000 word journal article submission (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program.

This unit of study requires students, working in a research team, to implement a pre-designed research project and disseminate their research results in a peer-reviewed format. Students will carry through a research methodology including the collection of data and/or meta-analysis of previous research. Students are expected to produce a journal article, suitable for publication as well as prepare a professional presentation of their findings.

#### Textbooks

Students are supplied with online reading material

### MRTY3103

#### Advanced Issues in MRS

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Steve Meikle **Session:** Semester 2 **Classes:** On-campus classes, 2hrs/week **Prerequisites:** MRTY3099 Research in Medical Radiation Sciences **Assessment:** Oral and written assignments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program.

This unit provides an opportunity to examine advanced issues in research, education and clinical practice in medical radiation sciences. This unit is of particular interest to students wishing to gain an understanding of current developments and their impact on the knowledge base of the medical radiation sciences as well as other scientific and social science disciplines. These developments will include both research and technological advances. The influence of these developments on professional clinical practice will be discussed. It would be advantageous for students planning to enter the honours program to complete this unit.

### MRTY3104

#### Medical Radiation Science Physics

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Barrie Egerton **Session:** Semester 2 **Classes:** 3hr lecture, tutorial or self-directed study library session/week **Prerequisites:** MRTY2082 Radiographic Physics 2 or MRTY2084 Nuclear Medicine Physics 2 or MRTY2087 Radiation Therapy Physics 2 **Assessment:** Two oral presentations (10%, 20%), two written assignments (10%, 60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program.

This unit of study enables students to investigate the current technological application of physics-based procedures to medical radiation science.

### MRTY3105

#### Radiographic Practice 3 Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mr Warren Reed **Session:** Semester 1 **Classes:** On-campus lectures, tutorials, practicals **Assumed knowledge:** MRTY2092 Radiographic Practice 2.2, MRTY2091 Clinical Education 2.3DR **Assessment:** Assignment, class tests, web-based assessment **Practical field work:** Practical classes will provide students with experience in patient care, practitioner patient communication and fundamental discipline specific practice **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad.

This unit of study integrates knowledge from both basic and applied clinical sciences and focuses on the radiographer and the patient. Professional practice and personal development issues are considered at the same time as designated techniques. In this unit, the student will investigate specialised radiographic techniques and study the roles of additional imaging modalities in the diagnosis and management of trauma, injury and disease. Trauma imaging, CT, MRI, angiography, mammography and contrast media examinations (not previously covered in Radiographic Studies 2) will form the basis of lectures and tutorials for this semester. Aspects covered will include patient preparation, contrast media administration, technical considerations, radiographic pathology and routine protocols for the specialised modalities discussed.

#### Textbooks

Doyle T et al, Procedures in Diagnostic Radiology, London, Churchill Livingstone (1989)

Lau LS (ed), Imaging Guidelines (2nd ed), Royal Australasian, Parkville (1993)

### MRTY3106

#### Clinical Education 3DR Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mr Andrew Kilgour **Session:** Semester 1, Semester 2 **Classes:** On-campus and clinical centre **Prerequisites:** MRTY2091 Clinical education 2.3DR, MRTY2092 Radiographic Practice 2.2 **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** Clinical departmental assessment (25%), written case studies (50%), OSCE (25%) **Practical field work:** Clinical placement of 6 weeks **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B App Sc (MRS) Diag Rad.

This unit of study requires students to attend six (6) weeks of clinical practice in the workplace. During this unit, students will practice the radiographic skills basic to anatomical areas such as the renal and GIT systems whilst consolidating their skills in pelvic girdle, spine, skull/face and skeletal radiography. Students are required to reflect upon their professional role and acquire competencies in GIT, renal, skeletal, spinal and skull radiography.

#### Textbooks

Students are supplied with a clinical workbook specific to their UoS

### MRTY3107

#### Radiographic Physics 3 Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Elaine Ryan **Session:** Semester 2 **Classes:** Three 1hr lectures, 2hr practical/tutorial or self-directed learning/week **Assumed knowledge:** MRTY2082 Radiographic Physics 2 **Assessment:** Practical mark (20%), assignment(s) (40%), final exam (40%) **Practical field work:** Practical classes will provide students with experience in digital imaging **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad, UG Study Abroad Program.

This unit of study introduces the student to digital radiography, computed radiography, PACS, HIS, RIS, DICOM, advanced CT, DSA,

MRI, BMD and sonography. A range of digital and non-digital radiographic specialised equipment will be examined in terms of operational principles, QA, radiation protection principles and radiation dose implications.

#### Textbooks

Curry TS et al, Christensen's Physics of Diagnostic Radiology (4th ed) (1990)

### MRTY3108

#### Nuclear Medicine Practice 3 Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Elisabeth Kilburn-Watt **Session:** Semester 1 **Classes:** On-campus lectures, tutorials, practical **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assumed knowledge:** MRTY2095 Nuclear Medicine Practice 2.2, MRTY2094 Clinical Education 2.3NM **Assessment:** Report, practical assessment, final exam **Practical field work:** Practical classes will provide students with experience in procedures, computer and radiopharmacy **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Nuclear Med, UG Study Abroad Program.

This unit of study examines a number of body systems and the application of radiopharmaceuticals in nuclear medicine imaging and therapeutic procedures. It provides a study of the pathophysiology and altered radiopharmaceutical bio-distributions and the variations of imaging procedures and interpretation that may be undertaken. Further theoretical aspects of acquisition, non-imaging procedures and radiopharmaceutical use and quality assurance will be developed.

#### Textbooks

Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby

### MRTY3109

#### Clinical Education 3NM Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** On-campus tutorials, off-campus clinical placement (6 weeks) **Prerequisites:** MRTY2093 Clinical Education 2.2NM, MRTY2094 Clinical Education 2.3NM **Prohibitions:** Failure to have the following will result in a removal from clinical placement: criminal record check, personal radiation monitor, immunity status record, student identification badge **Assessment:** Clinical assessment, written assignment, practical achievements **Practical field work:** 35hrs/week for 6 weeks, off-campus, split in two 3 weeks blocks **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

*Note: All the required clinical achievements must be completed to pass this unit*

**Associated degrees:** B App Sc (MRS) Nuclear Med.

This unit of study will provide the student with a structured program of clinical experience to attain skills and applied knowledge in nuclear medicine procedures. Students will be required to demonstrate a range of skills, attributes and knowledge at a level that meets the requirements for an entry level practitioner.

#### Textbooks

Nuclear Medicine and PET Technology and Techniques (5th ed), Mosby

### MRTY3110

#### Nuclear Medicine Physics 3 Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Tracey Smith **Session:** Semester 2 **Classes:** 3hr lecture, 2hr practical, tutorial/week **Assumed knowledge:** MRTY2084 Nuclear Medicine Physics 2 **Assessment:** Satisfactory performance of pracs (attendance required) (20%), major assignment (30%), final exam (50%) **Practical field work:** Practical classes will provide students exercises in image reconstruction, cyclotron operation and radiation safety in departmental/laboratory design **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Nuclear Med, UG Study Abroad Program.

This unit aims to complete the student's knowledge of instrumentation and analytical tools in contemporary nuclear medicine. Advanced issues in SPECT, especially corrections for quantitative imaging, lead on to an in-depth treatment of positron emission tomography (PET). The physical principles of cyclotrons and nuclear magnetic resonance are introduced, along with extension to complementary imaging to MRI. Other nuclear techniques such as spectroscopy and whole body

counting methods are covered. Finally, there is a discussion on aspects of radiation safety, regulatory issues, and departmental design.

#### Textbooks

Cherry SR, Sorenson JA and Phelps ME, Physics in Nuclear Medicine (3rd ed), Saunders (2003)

### MRTY3111

#### Radiation Therapy Practice 3.1

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Danielle Milinkovic **Session:** Semester 1 **Classes:** On-campus independent research, group discussion forums, practical classes **Assumed knowledge:** MRTY2098 Radiation Therapy Practice 2.2 **Assessment:** Group presentation work, class test, final exam **Practical field work:** Practical classes will provide students with experience in using two and three dimensional radiation therapy planning computers to plan complex radiation therapy treatment techniques **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Rad Thpy, UG Study Abroad Program.

This unit of study applies the knowledge gained in MRTY2098 Radiation Therapy Practice 2.2 to more complex routine radiation therapy procedures. It will concentrate on the acquisition of knowledge and skills to enable the student to satisfactorily plan, calculate and treat supraclavicular and axilla, multi-field thorax and mini mantle techniques. Physics and oncology modules will be presented to encourage a more holistic understanding of each planning technique. Advances in radiation therapy planning and the role of the radiation therapist as a supporter of psychosocial health and educator of the patients will also be covered.

#### Textbooks

Washington C & Leaver D, Principles and Practice of Radiation Therapy (2nd ed), Mosby, St Louis (2004)  
Online web based materials

### MRTY3112

#### Clinical Education 3RT

##### Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Clinical placement (two blocks of 3 weeks) **Prerequisites:** MRTY2086 Radiation Therapy Practice 2.2, MRTY2097 Clinical Education 2.3RT **Prohibitions:** No current cardiopulmonary resuscitation certificate, unsatisfactory criminal record check and non-compliance with Child Protection (Prohibited Employment) Act 1998, failure to acquire a PRM, failure to have a written record of current immunity status **Assessment:** Case study, final clinical assessment, observable skill clinical assessment **Practical field work:** 35hrs/week for two blocks of 3 weeks **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B App Sc (MRS) Rad Thpy.

This unit of study places students in clinical radiation oncology centres throughout Australia. This unit aims to provide the student with a structured program where the knowledge, skills and attributes to practice are applied to the clinical setting. Students will focus on developing their simulation, planning and treatment skills in four-field breast and multi-field thorax techniques.

#### Textbooks

Washington C & Leaver D, Principles and Practice of Radiation Therapy (2nd ed), Mosby, St Louis (2004)

### MRTY3113

#### Radiation Therapy Practice 3.2

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Danielle Milinkovic **Session:** Semester 2 **Classes:** On-campus independent research, group discussion forums, practical classes **Prerequisites:** MRTY2087 Radiation Therapy Physics 2 **Assumed knowledge:** MRTY3111 Radiation Therapy Practice 3.1 **Assessment:** Assignment, class test, final exam **Practical field work:** Practical classes will provide students with experience in using two and three dimensional radiation therapy planning computers to plan complex radiation therapy treatment techniques **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Rad Thpy, UG Study Abroad Program.

This unit of study applies the knowledge gained in MRTY2086 Radiation Therapy Practice 2.1 and MRTY2098 Radiation Therapy Practice 2.2 to more complex routine radiation therapy procedures.

It will concentrate on the acquisition of knowledge and skills to enable the student to satisfactorily plan, calculate and treat maxillary/antrum and Parotid techniques. Physics and oncology modules will be presented to encourage a more holistic understanding of each technique. Advances in radiation therapy planning in all of these areas will be addressed. Oncology principles and the role of the radiation therapist as a supporter of psychosocial health and educator of the patients will also be covered.

### MRTY3114

#### Specialised Radiographic Practice

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mr Warren Reed **Session:** Semester 2 **Classes:** On-campus lectures and practicals **Assessment:** Oral and written assignments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy, UG Study Abroad Program.

This unit of study provides an opportunity to become familiar with specialised practice in the workplace. Professional issues which guide and influence practice in diagnostic radiography will be integrated into the practice areas. Specialised areas such as paediatric and interventional radiography will be studied as well as functional brain imaging. The adaptations to practice required to accommodate the ageing process will also be considered. Management practices as they apply to the workplace will also be examined.

### MRTY3115

#### Introductory Sonography

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Jill Clarke (unit coordinator), Ms Joanne Lomas, Ms Belinda Tong **Session:** Semester 1 **Classes:** Two 1hr lectures/week, one 1hr practical class/fortnight **Assumed knowledge:** BIOS1155 Structure, Function and Disease A, BIOS1158 Structure, Function and Disease B **Assessment:** 30min MCQ/SAQ class test (15%), 45min mid semester MCQ/SAQ class test (20%), 2hr end semester MCQ/SAQ exam (65%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study assumes the student to be familiar with cross-sectional anatomy images*

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy.

This unit of study provides an introduction to the physical principles of ultrasound and the clinical applications and practice of diagnostic ultrasound in the abdomen, obstetrics and gynaecology, musculoskeletal and vascular systems.

#### Textbooks

No set textbook. Useful references are:

Hagen-Ansert SL, Textbook of Diagnostic Ultrasonography, Mosby Elsevier, St Louis (2006)  
Hedrick WR, Starchman DE & Hykes DL, Ultrasound Physics And Instrumentation, Elsevier Mosby, St. Louis, (2005)  
Hofer M, Ultrasound Teaching Manual: The Basics Of Performing And Interpreting Ultrasounds Scans, Thieme, Stuttgart (2005)  
Rumack CM, Wilson SR & Charboneau JW, Diagnostic Ultrasound, Elsevier Mosby, St Louis (2005)  
Tempkin BB & Curry RA, Sonography: Introduction to Normal Structure and Function, Saunders, St Louis (2004)

### MRTY3116

#### CT for Nuclear Medicine Technologists

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Edwina Adams **Session:** Semester 2 **Classes:** Seven 2hr lectures with directed independent work **Assessment:** Two portfolio submissions (30%), group oral presentation (30%), 2500 word written assignment (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit of study assumes the student to be familiar with cross-sectional anatomy images and have knowledge of the fundamental physics of computed tomography (CT)*

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy.

This unit of study develops the knowledge and understanding of computed tomography (CT) as it applies to nuclear medicine. The

focus will be on ensuring quality nuclear medicine CT studies and a high standard of radiation safety. The unit will address radiographic principles and radiation safety; CT instrumentation design and image reconstruction methods; CT scan acquisition and impact of scan parameters on patient dose; attenuation correction and co-registration in nuclear medicine CT systems; and quality control.

#### Textbooks

Seeram E, Computed Tomography (2nd ed), Elsevier, St Louis (2007)

### MRTY3117

#### Diagnostic Imaging for Rad Therapists Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mr Mark West **Session:** Semester 2 **Classes:** Off-campus mode: no on-campus attendance required **Assessment:** WebCT discussion (10%), 1500 word assignment (35%), 3000 word assignment (55%) **Campus:** Cumberland **Mode of delivery:** Distance Education

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy.

This unit of study provides the radiation therapist with an understanding and overview of the principles underlying a range of imaging modalities. These modalities include planar radiographs, CT, MRI, SPECT, PET and ultrasound. The advantages and limitations of using each modality in radiation therapy practice will be addressed.

#### Textbooks

Bushong SC, Radiologic Science for Technologists: Physics, Biology and Protection (8th ed), Elsevier, St Louis (2004)

### MRTY3118

#### MR Theory Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Roger Bourne **Session:** Semester 2 **Classes:** Web-based distance education mode: independent learning package with email support. A non compulsory practical exercise may be conducted on-campus with students to be advised **Assessment:** 2000 word assignment (40%), 3000 word assignment (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad, B App Sc (MRS) Nuclear Med, B App Sc (MRS) Rad Thpy.

This unit of study addresses the principles of magnetic resonance imaging. The areas addressed will be image contrast, factors affecting image formation and pulse sequences used from spin echo (SE) to echo planar imaging (EPI). The applications of MRI in medical imaging will be addressed with the effects of signal-to-noise ratio (SNR), fat saturation, artefacts and flow effects being discussed. The biological effects and aspects of patient safety will be included in the unit of study.

### MRTY4032

#### Honours Thesis 1A Health Sciences

**Credit points:** 24 **Session:** Semester 1 **Assessment:** Research proposal (15%), literature review (15%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad Hons, B App Sc (MRS) Nuc Med Hons, B App Sc (MRS) Rad Thpy Hons.

Honours students undertake a supervised research study in an area of medical radiation sciences. Each student will design and implement an approved research study and submit a thesis describing the study and its implications. While completing the research and thesis, each student will work closely with the academic staff member who is their supervisor.

### MRTY4033

#### Honours Thesis 1B Health Sciences

**Credit points:** 24 **Session:** Semester 2 **Assessment:** Assignment (60%), oral presentation (10%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad Hons, B App Sc (MRS) Nuc Med Hons, B App Sc (MRS) Rad Thpy Hons.

Honours students undertake a supervised research study in an area of medical radiation sciences. Each student will design and implement an approved research study and submit a thesis describing the study and its implications. While completing the research and thesis, each student will work closely with the academic staff member who is their supervisor.

### MRTY4034

#### Honours Thesis A Health Sciences

**Credit points:** 12 **Session:** Semester 1 **Assessment:** Continuous plus oral and thesis examination. All students must keep to a detailed timeline for each stage of the thesis project **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad Hons, B App Sc (MRS) Nuc Med Hons, B App Sc (MRS) Rad Thpy Hons.

Honours students undertake a supervised research project in an area of medical radiation sciences. Each student will design and implement an approved research project and submit a thesis describing the project and its implications. In completing the research thesis, the student will work closely with the academic staff member who is their supervisor. There are no formal classes but students are required to meet regularly with their supervisor and attend compulsory workshops.

### MRTY4035

#### Honours Thesis B Health Sciences

**Credit points:** 12 **Session:** Semester 2 **Assessment:** Continuous plus oral and thesis examination. All students must keep to a detailed timeline for each stage of the thesis project **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad Hons, B App Sc (MRS) Nuc Med Hons, B App Sc (MRS) Rad Thpy Hons.

Honours students undertake a supervised research project in an area of medical radiation sciences. Each student will design and implement an approved research project and submit a thesis describing the project and its implications. In completing the research thesis, the student will work closely with the academic staff member who is their supervisor. There are no formal classes but students are required to meet regularly with their supervisor and attend compulsory workshops.

### MRTY4036

#### Honours Thesis C Health Sciences

**Credit points:** 12 **Session:** Semester 1 **Assessment:** Continuous plus oral and thesis examination. All students must keep to a detailed timeline for each stage of the thesis project **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad Hons, B App Sc (MRS) Nuc Med Hons, B App Sc (MRS) Rad Thpy Hons.

Honours students undertake a supervised research project in an area of medical radiation sciences. Each student will design and implement an approved research project and submit a thesis describing the project and its implications. In completing the research thesis, the student will work closely with the academic staff member who is their supervisor. There are no formal classes but students are required to meet regularly with their supervisor and attend compulsory workshops.

### MRTY4037

#### Honours Thesis D Health Sciences

**Credit points:** 12 **Session:** Semester 2 **Assessment:** Continuous plus oral and thesis examination. All students must keep to a detailed timeline for each stage of the thesis project **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (MRS) Diag Rad Hons, B App Sc (MRS) Nuc Med Hons, B App Sc (MRS) Rad Thpy Hons.

Honours students undertake a supervised research project in an area of medical radiation sciences. Each student will design and implement an approved research project and submit a thesis describing the project and its implications. In completing the research thesis, the

student will work closely with the academic staff member who is their supervisor. There are no formal classes but students are required to meet regularly with their supervisor and attend compulsory workshops.

### MSTD1111

#### Foundation Studio A Sydney College of the Arts

**Credit points:** 6 **Teacher/Coordinator:** Oliver Smith, Foundation Coordinator  
**Session:** Semester 1 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Corequisites:** MSTD1121, FRES1001, MDRW1011 or MDRW1013, THAP1201 and THAP1211  
**Assessment:** A qualitative assessment grade will be allocated at the end of the semester. Students are expected to successfully complete specified stages/projects within the semester, and the combination of these will reflect the final assessment grade. For further information refer to SCA Assessment Criteria. Academic staff will be responsible for end-of-semester assessments and a mid-semester review in Week 7. Where appropriate, guided peer assessment may be employed for some projects. Students are eligible to be assessed if attendance is no less than 90%, and students have submitted all project work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, Visual Arts UG Non-Degree.

The studio program is a project-based, studio-specific program. The studio program is structured to expose students to a diversity of approaches in utilising their chosen studio and its unique qualities.

The aims of the studio program are: to cultivate a contemporary dialogue of issues informing practice; to promote individual exploration within and between media; and to assist and equip students with the necessary skills for working as professional artists. Students will gain basic understanding of their chosen studio, its staffing, organisation and possible learning paths and directions for their practice and an understanding of how researching ideas can inform their own developing practice.

Students will be required to purchase some materials to complete projects.

Appropriate footwear and clothing will be required at all times.

*Textbooks*

Refer to Studio Reading List.

### MSTD1112

#### Foundation Studio B Sydney College of the Arts

**Credit points:** 8 **Teacher/Coordinator:** Oliver Smith, Foundation Coordinator  
**Session:** Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 160 hours. **Corequisites:** MSTD1123, FRES1002, MDRW1012 or MDRW1014, THAP1202 and THAP1212  
**Assessment:** A qualitative assessment grade will be allocated at the end of the semester. Students are expected to successfully complete specified stages within the semester, and the combination of these grades will reflect the final assessment grade. For further information refer to SCA Assessment Criteria. Academic staff will be responsible for end-of-semester assessments and a mid-semester review in Week 7. Where appropriate, guided peer assessment may be employed for some projects. Students are eligible to be assessed if attendance is no less than 90%, and students have submitted all project work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, Visual Arts UG Non-Degree.

Foundation Studio B continues to develop skills gained in Studio A; by the end of the year students will have developed some understanding of studio-based art practice by working in their chosen studio each week. Studio classes will mostly be structured as self-directed learning exercises where students will engage with their peers and develop useful links with other key members of SCA and the wider visual arts community. Students will be given a list of mandatory health and safety equipment that will be required for access to specific studio areas and workshops. Students will also be required to purchase some materials to complete projects. Appropriate footwear and clothing will be required at all times.

*Textbooks*

Refer to Studio Reading List.

### MSTD1121

#### Foundation Studio Concepts A

### Sydney College of the Arts

**Credit points:** 6 **Teacher/Coordinator:** Oliver Smith, Foundation Coordinator  
**Session:** Semester 1 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 120 hours. **Corequisites:** MSTD1111, FRES1001, MDRW1011 or MDRW1013, THAP1201 and THAP1211  
**Assessment:** The assessment of each block is averaged to establish a final grade at the end of the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, Visual Arts UG Non-Degree.

This program is an idea-based, project-style, non-studio-specific program consisting of two 6-week blocks which students rotate through during the semester. Students are encouraged to identify and develop an interdisciplinary practice. The timetable structure enables students to explore a range of approaches between disciplines, facilities and staff, thus providing a more inclusive educational experience. Classes are held in cross-studio groups in a central space, and each student works around broad themes such as time, space and light. This program challenges students to consider the development of ideas and how processes and materials are chosen and utilised in relation to those ideas. Projects vary and are drawn from many elements of the Foundation lecturer's research experience.

By the end of the year students will have developed some generic technical skills and will be able to clearly identify the facilities and equipment, and their purposes, as well as the health and safety requirements that are essential to SCA and current art practice.

*Textbooks*

Refer to Studio Reading List.

### MSTD1123

#### Foundation Studio Concepts B Sydney College of the Arts

**Credit points:** 4 **Teacher/Coordinator:** Oliver Smith, Foundation Coordinator  
**Session:** Semester 2 **Classes:** Lecturer and directed contact over 6 weeks, plus self-directed study; total student effort of 80 hours. In Second Semester, students progress through one final block for 6 weeks before they move back into their studio programs for an increased 3 hours ea **Corequisites:** MSTD1112, FRES1002, MDRW1012 or MDRW1014, THAP1202 and THAP1212  
**Assessment:** Students are eligible to be assessed for this program if attendance is 5 classes per block or over and students have submitted their work folder by the due date. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, Visual Arts UG Non-Degree.

This program is an idea-centered, project-based non-studio-specific program consisting of six classes around a theme. Students are encouraged to identify and develop an interdisciplinary practice. The timetable structure enables students to explore a range of approaches between disciplines, facilities and staff, thus providing a more inclusive educational experience.

By the end of the year students will have developed some generic technical skills and will be able to clearly identify the facilities and equipment, and their purposes, as well as the health and safety requirements that are essential to SCA and current art practice.

*Textbooks*

Refer to Studio Reading List.

### MSTD2211

#### Ceramics C (Major) Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Jan Guy **Session:** Semester 1  
**Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 320 hours. **Prerequisites:** MSTD1101 or MSTD1111; and MSTD1102 or MSTD1112 **Corequisites:** THAP2411; and THAP2421 or THAP2431 or THAP2441 **Prohibitions:** MSTD2191 **Assessment:** Assessment is based on: quality of performance in the studio throughout the semester; development and application of appropriate skills; and participation in practical and critical class activities and discussions. Assessment will reflect students' conceptual and practical progress, made throughout the semester, as well as demonstrated commitment. Students are eligible to be assessed for this program if attendance is 5 classes per block or over and students have submitted their work folder by the due date. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Project and individual studio work, clay and glaze tests, drawing, including computer drawing, journals. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

This unit introduces students to the concepts and practices, skills and basic technology that comprise contemporary ceramics. Students learn and develop various hand-building skills, identify areas of interest, and develop a basic understanding of ceramic technology. Through a series of open-ended studio projects, students engage with and explore personal concepts and interests. Individual and group sessions help them identify and develop conceptual and critical skills. Through a series of regular classes students become familiar with various properties of clays, learn to set and fire electric kilns, become familiar with the structure of glazes and glaze testing procedures. Students maintain a drawing, including computer drawing, studio journal that documents the development of concepts and ideas, as well as a ceramic technology journal.

#### Textbooks

Dormer P. The New Ceramics: Trends and Traditions.  
Peterson S. The Craft and Art of Clay: A Complete Potter's Handbook.  
Rhodes D. Clay and Glazes for the Potter.  
Hamer F. The Potter's Dictionary of Materials and Techniques.  
Journals  
Ceramics: Art and Perception.  
Pottery in Australia.  
Studio Potter.  
Object.

### MSTD2212

#### Ceramics D (Major)

##### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Jan Guy **Session:** Semester 2  
**Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 320 hours. **Prerequisites:** MSTD2211 or MSTD2311 or MSTD2511 **Corequisites:** THAP2412; and one of: THAP2422 or THAP2432 or THAP2442 **Prohibitions:** MSTD2192 **Assessment:** Assessment is based on: quality of performance in the studio throughout the semester; development and application of appropriate skills; and participation in practical and critical class activities and discussions. Assessment will reflect students' conceptual and practical progress, made throughout the semester, as well as demonstrated commitment. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Project and individual studio work, glaze tests, journal, drawings. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

This unit continues to expand and develop ceramic studio skills through studio-based projects, as well as to provide the opportunity for students to identify an area of interest and develop that as a major project. This unit further develops skills in hand-building and wheel-throwing, that were introduced in Semester 1, as well as providing an introduction to casting. Students develop design skills through the planning of their projects. Students continue to develop their understanding of technology (clays and glazes), learn to make their own casting slips, learn about high temperature glazes and learn to fire gas kilns. They identify an individual glaze project and develop it over the period of the semester. Through individual and group discussions, students explore and learn to articulate individual concepts and interests. Drawing, including Form Z, is seen as integral to studio practice, and it is expected that students maintain a drawing / studio journal.

#### Textbooks

Dormer P. The New Ceramics: Trends and Traditions.  
Peterson S. The Craft and Art of Clay: A Complete Potter's Handbook.  
Rawson P. Ceramics: a Philosophical Approach.  
Rhodes D. Clay and Glazes for the Potter.  
Currie I. Stoneware Glazes: a Systematic Approach.  
Hamer F. The Potter's Dictionary of Materials and Techniques.  
Journals  
Ceramics: Art and Perception.  
Pottery in Australia.  
Studio Potter.  
Object.

### MSTD2221

#### Glass C (Major)

### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Jane Gavan, Andrew Lavery  
**Session:** Semester 1 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 320 hours. **Prerequisites:** MSTD1111 and MSTD1112 **Corequisites:** THAP2411; and one of THAP2421 or THAP2431 or THAP2441 **Prohibitions:** MSTD2191 **Assessment:** Students will be required to present projects at nominated dates during the semester. Assessment is in terms of how students' work fulfils the criteria and extends their understanding of their practice and its context. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

The unit provides a studio-based approach to glass-working. Throughout this semester students will follow a project-based curriculum that encourages the development of critical and practical skills. Activities include a glass object design project exploring the use of new technologies and an architectural glass project. Technical demonstrations are given, that build on skills introduced in Foundation Year, and are supported with thematic approaches encouraging exploration within studio glass, object making and design and critical awareness of contemporary practice. Students may work exclusively within the medium of glass or in conjunction with other media and processes. In the Second Year students have increased access to the studio in order to complete their projects. Second-Year students also spend time in the first semester researching and organising their professional internship with an Australian glass artist or designer; this experience is usually conducted within the mid-semester break.

#### Textbooks

Ioannou N. Australian Studio Glass. Craftsman House, 1995.  
Frantz S. Contemporary Glass. NY: Harry N Abrams Inc., 1989.

### MSTD2222

#### Glass D (Major)

##### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Jane Gavan, Andrew Lavery  
**Session:** Semester 2 **Classes:** 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** MSTD2221 or MSTD2521 or MSTD2321 **Corequisites:** THAP2412; and one of: THAP2422 or THAP2432 or THAP2442 **Prohibitions:** MSTD2192 **Assessment:** Students will be required to present projects at nominated dates during the semester. Assessment is in terms of how students' work fulfils the criteria and extends their understanding of their practice and its context. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Studio fees may apply. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

This semester students will begin to elect areas of study of their own choice from approaches and skills acquired in Semester 1. This self-directed approach is combined with ongoing set projects that further develop critical and technical skills. In consultation with academic staff, students will begin to direct a path of exploration relevant to their interest and appropriate level of practical skill. Students may decide to work exclusively within the medium of glass or in conjunction with other media and processes as required. The focus this semester is on: the practice and refinement of hand-skills in glass working and on developing critical abilities; and on researching and articulating the contact of your ideas. A variety of glass-working activities are available for students to develop their skills, including: glass-blowing, cold-working, polishing and cutting, lathe-working, engraving, kiln-working, casting and mould-making, flame-working and glass-painting and sand-blasting.

#### Textbooks

Rowley S. Craft and Contemporary Theory. Sydney: Allen & Unwin, 1997.  
Frantz S. Contemporary Glass. NY: Harry N Abrams Inc., 1989.

### MSTD2231

#### Jewellery and Object C

##### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Bridie Lander, Karin Findeis, Joyce Hinterding, Oliver Smith **Session:** Semester 1 **Classes:** 8 hours of contact and 8 hours of independent, studio-based practice. **Prerequisites:** MSTD1111 and

**MSTD1112** **Corequisites:** THAP2411; and one of: THAP2421 or THAP2431 or THAP2441 **Prohibitions:** MSTD2191 **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Students are offered a studio-based experience in the practice of jewellery and object design. Students are encouraged to explore a range of approaches to the discipline. Conceptual and practical investigations challenge orthodox attitudes toward art, craft and design. Set projects, technical workshops and critical discussion assist students to identify, develop, research and resolve concepts as they relate to the design and making of jewellery and objects.

*Textbooks*

Refer to Jewellery and Object Reading List.

## MSTD2232

### Jewellery and Object D

#### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Bridie Lander, Karin Findeis, Joyce Hinterding, Oliver Smith **Session:** Semester 2 **Classes:** 8 hours of contact and 8 hours of independent, studio-based practice. **Prerequisites:** MSTD2231 or MSTD2531 or MSTD2331 **Corequisites:** THAP2412; and one of: THAP2422 or THAP2432 or THAP2442 **Prohibitions:** MSTD2192 **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Students are offered a studio-based experience in the practice of jewellery and object design. Students are encouraged to explore a range of approaches to the discipline. Conceptual and practical investigations challenge orthodox attitudes toward art, craft and design. Set projects, technical workshops and critical discussion assist students to identify, develop, research and resolve concepts as they relate to the design and making of jewellery and objects.

*Textbooks*

Refer to Jewellery and Object Reading List.

## MSTD2241

### Painting C (Major)

#### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Associate Professor Brad Buckley, Dr Debra Dawes, Dr Lindy Lee, Mr Matthys Gerber **Session:** Semester 1 **Classes:** 8 hours of contact and a minimum 8 hours of independent, studio-based practice, including a two-hour, weekly group tutorial and minimum contact of a one-to-one, studio tutorial meeting each week with the academic advisor. **Prerequisites:** MSTD1111 and MSTD1112 **Corequisites:** THAP2411; and one of THAP2421 or THAP2431 or THAP2441 **Prohibitions:** MSTD2191 **Assessment:** For information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

The aims and objectives are achieved in the program by the use of a tutorial system. An academic advisor is assigned to a group of combined Second- and Third-Year students. This grouping fulfils the educational function of peer support and learning, allowing the increasing maturity of the students to be a demonstrable outcome. The academic advisor is responsible for the progress of those students. To provide access to different intellectual points of view these groups are remixed and rotated over four semesters. The other important aspect of the unit is the one-to-one studio tutorial, where the particular concerns and needs of the student are discussed, tailoring both technical information and theoretical knowledge in relation to the student's evolving work.

*Textbooks*

As prescribed by the academic advisor.

## MSTD2242

### Painting D (Major)

## Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Associate Professor Brad Buckley, Dr Debra Dawes, Dr Lindy Lee, Mr Matthys Gerber **Session:** Semester 2 **Classes:** 8 hours of contact and a minimum 8 hours of independent, studio-based practice, including a two-hour, weekly group tutorial and minimum contact of a one-to-one studio tutorial meeting each week with the academic advisor. **Prerequisites:** MSTD2241 or MSTD2541 or MSTD2341 **Corequisites:** THAP2412; and one of: THAP2422 or THAP2432 or THAP2442 **Prohibitions:** MSTD2192 **Assessment:** For information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

The aims and objectives are achieved in the program by the use of a tutorial system. An academic advisor is assigned to a group of combined Second- and Third-Year students. This grouping fulfils the educational function of peer support and learning, allowing the increasing maturity of the students to be a demonstrable outcome. The academic advisor is responsible for the progress of those students. To provide access to different intellectual points of view these groups are remixed and rotated over four semesters. The other important aspect of the unit is the one-to-one studio tutorial, where the particular concerns and needs of the student are discussed, tailoring both technical information and theoretical knowledge in relation to the student's evolving work.

*Textbooks*

As prescribed by the academic advisor.

## MSTD2251

### Printmedia C (Major)

#### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Justin Trendall, Andrew Hurle, Rebecca Beardmore **Session:** Semester 1 **Classes:** 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** MSTD1111 and MSTD1112 **Corequisites:** THAP2411; and one of THAP2421 or THAP2431 or THAP2441 **Prohibitions:** MSTD2191 **Assessment:** Attendance at programmed sessions is a requirement for assessment. For information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Over the course of the semester students are introduced to a range of techniques, materials and ideas. A series of studio projects will provide students with the basic technical skills that are needed to begin working independently with the core print processes of etching and relief printing, digital print and screen-printing. A program of group and individual tutorials helps students to begin locating their ideas and creative thinking within a contemporary art and design context.

*Textbooks*

Refer to Studio Reading List.

## MSTD2252

### Printmedia D (Major)

#### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Justin Trendall, Andrew Hurle, Rebecca Beardmore **Session:** Semester 2 **Classes:** 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** MSTD2251 or MSTD2551 or MSTD2351 **Corequisites:** THAP2412; and one of: THAP2422 or THAP2432 or THAP2442 **Prohibitions:** MSTD2192 **Assessment:** Attendance at programmed sessions is a requirement for assessment. For further information refer to SCA Assessment Criteria. The assessment level will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Building on their First Semester's work, and as part of the process of defining their own art practice or design practice, students begin to focus on specific areas of interest, identifying for themselves the print mediums they will be continuing to work with and the set of ideas that will form the basis of their conceptual explorations. An ongoing



program of technical instruction and tutorial sessions will provide the framework for these developments.

*Textbooks*

Refer to Studio Reading List.

### MSTD2261

#### Sculpture C (Major) Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Margaret Seymour, Michael Goldberg, Dr Adam Geczy **Session:** Semester 1 **Classes:** Weekly tutorial meetings, technical workshops and supervised studio work. 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** MSTD1111 and MSTD1112 **Corequisites:** THAP2411; and one of: THAP2421 or THAP2431 or THAP2441 **Prohibitions:** MSTD2191 **Assessment:** Assessment is based on: the fulfillment of studio requirements; the level of an individual's participation; engagement within the studio program; and the quality of works presented for critical review. For further information refer to SCA Assessment Criteria. The assessment level will be commensurate with the credit point value of the unit. **Practical field work:** Studio practice. Students, in consultation with studio staff, will develop an outline of their proposed study program at the commencement of the semester and maintain a studio diary. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Study in Sculpture Performance and Installation is a unified, studio-based activity addressing the concepts, methodologies and technologies integral to contemporary sculpture. This includes traditional sculptural processes as well as incorporating new media and digital technologies that are currently reshaping contemporary practice. Each student, in consultation with academic staff, develops an outline of their proposed study program at the commencement of the semester and maintains a studio diary. Students present work regularly for review and are encouraged to further develop and refine their individual studio practice. This process is supported by small-group projects, lectures, group and individual tutorials and critiques.

*Textbooks*

Refer to Studio Reading List.

### MSTD2262

#### Sculpture D (Major) Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Margaret Seymour, Michael Goldberg, Dr Adam Geczy **Session:** Semester 2 **Classes:** Weekly tutorial meetings, technical workshops and supervised studio work. 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** MSTD2261 or MSTD2561 or MSTD2361 **Corequisites:** THAP2412; and one of: THAP2422 or THAP2432 or THAP2442 **Prohibitions:** MSTD2192 **Assessment:** Assessment is based on: the fulfillment of studio requirements; the level of an individual's participation; engagement within the studio program; and the quality of works presented for critical review. For further information refer to SCA Assessment Criteria. The assessment level will be commensurate with the credit point value of the unit. **Practical field work:** Studio practice. Students, in consultation with studio staff, will develop an outline of their proposed study program at the commencement of the semester and maintain a studio diary. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Study in Sculpture Performance and Installation is a unified, studio-based activity addressing the concepts, methodologies and technologies integral to contemporary sculpture. This includes traditional sculptural processes as well as incorporating new media and digital technologies that are currently reshaping contemporary practice. Each student, in consultation with academic staff, develops an outline of their proposed study program at the commencement of the semester and maintains a studio diary. Students present work regularly for review and are encouraged to further develop and refine their individual studio practice. This process is supported by small-group projects, lectures, group and individual tutorials and critiques.

*Textbooks*

Refer to Studio Reading List.

### MSTD2271

#### Photomedia C (Major) Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Merilyn Fairskye, Steven Lojewski **Session:** Semester 1 **Classes:** Three studio classes per week. 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** MSTD1111 and MSTD1112 **Corequisites:** THAP2411; and one of: THAP2421 or THAP2431 or THAP2441 **Assessment:** Progressive throughout the semester; includes class participation, attendance and the presentation of completed studio work at the end of the semester. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Studio Major Photomedia is a unified, studio-based activity where students investigate and develop their ideas through a variety of approaches and technologies. Experimentation is encouraged. In consultation with their academic advisor, students are expected to select two study options that reflect their individual concerns. Options that will be available are Snap to Grid, Cultural Research, Blow Up and Directorial, which variously explore digital imaging, extending photography, photo installation, and/or studio-based photography.

*Textbooks*

Refer to Studio Reading List.

### MSTD2272

#### Photomedia D (Major) Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Merilyn Fairskye, Steven Lojewski and others **Session:** Semester 2 **Classes:** Three studio classes per week. 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** MSTD2271 or MSTD2571 or MSTD2371 **Corequisites:** THAP2412; and one of: THAP2422 or THAP2432 or THAP2442 **Prohibitions:** MSTD2192 **Assessment:** Progressive throughout the semester; includes class participation, attendance and the presentation of completed studio work at the end of the semester. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Studio Major Photomedia is a unified, studio-based activity where students investigate and develop their ideas through a variety of approaches and technologies. Experimentation is encouraged. In consultation with their academic advisor, students are expected to select two study options that reflect their individual concerns. Options that will be available are Snap to Grid, Cultural Research, Blow Up and Directorial, which variously explore digital imaging, extending photography, photo installation, and/or studio-based photography.

### MSTD2281

#### Film and Digital Art C (Major) Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Geoff Weary, Ryszard Dabek, Josephine Starrs, John Conomos, Mahalya Middlemist **Session:** Semester 1 **Classes:** 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** MSTD1111 and MSTD1112 **Corequisites:** THAP2411; and one of: THAP2421 or THAP2431 or THAP2441 **Prohibitions:** MSTD2191 **Assessment:** Progressive throughout the semester and includes class participation, attendance and the presentation of completed studio work at the end of the semester. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Major study is a unified, studio-based activity where students investigate their creative ideas through a variety of approaches to digital film, video, sound and multimedia. In consultation with their academic advisor, students are expected to select study options that reflect their individual concerns.

*Textbooks*

Refer to Studio Reading List.

**MSTD2282****Film and Digital Art D (Major)**  
**Sydney College of the Arts**

**Credit points:** 16 **Teacher/Coordinator:** Geoff Weary, Ryszard Dabek, Josephine Starrs, John Conomos, Mahalya Middlemist **Session:** Semester 2 **Classes:** 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** one of: MSTD2281 or MSTD2581 or MSTD2381 **Corequisites:** THAP2412; and one of: THAP2422 or THAP2432 or THAP2442 **Prohibitions:** MSTD2192 **Assessment:** Progressive throughout the semester and includes class participation, attendance and the presentation of completed studio work at the end of the semester. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Major study is a unified, studio-based activity where students investigate their creative ideas through a variety of approaches to digital film, video, sound and multimedia. In consultation with their academic advisor, students are expected to select study options that reflect their individual concerns.

**Textbooks**

Refer to Studio Reading List.

**MSTD2511****Ceramics C****Sydney College of the Arts**

**Credit points:** 12 **Teacher/Coordinator:** Jan Guy **Session:** Semester 1 **Classes:** 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD1111 and MSTD1112 **Corequisites:** THAP2611; and one of: THAP2621 or THAP2631 or THAP2641 **Prohibitions:** MSTD2191 **Assessment:** Assessment is based on: quality of performance in the studio throughout the semester; development and application of appropriate skills; and participation in practical and critical class activities and discussions. Assessment will reflect the student's conceptual and practical progress, made throughout the semester, as well as demonstrated commitment. For further information refer to SCA Assessment Criteria. Assessment level will be commensurate with the credit point value of the unit. **Practical field work:** Project and individual studio work, clay and glaze tests, drawing, journals. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This unit is an introduction to ceramics that may be combined with other approved units of study. The unit introduces students to the concepts and practices, skills and basic technology that comprise contemporary ceramics. Students learn and develop various hand-building skills, identify areas of interest, and develop a basic understanding of ceramic technology. Through a series of open-ended studio projects, students engage with and explore personal concepts and interests. Individual and group sessions help them identify and develop conceptual and critical skills. Through a series of regular classes, students become familiar with various properties of clays, learn to set and fire electric kilns, and become familiar with the structure of glazes and glaze testing procedures.

Students maintain a drawing/ studio journal, that documents the development of concepts and ideas, as well as a ceramic technology journal.

**Textbooks**

Dormer P. The New Ceramics: Trends and Traditions.  
Peterson S. The Craft and Art of Clay: A Complete Potter's Handbook.  
Rhodes D. Clay and Glazes for the Potter.  
Hamer F. The Potter's Dictionary of Materials and Techniques.  
Journals  
Ceramics: Art and Perception.  
Pottery in Australia.  
Studio Potter.  
Object.

**MSTD2512****Ceramics D****Sydney College of the Arts**

**Credit points:** 12 **Teacher/Coordinator:** Jan Guy **Session:** Semester 2 **Classes:** 6 hours of contact and a minimum 6 hours of independent, studio-based practice **Prerequisites:** MSTD2511 **Corequisites:** THAP2612; and one of: THAP2622 or THAP2632 or THAP2642 **Assessment:** Assessment

is based on: quality of performance in the studio throughout the semester; development and application of appropriate skills; and participation in practical and critical class activities and discussions. Assessment will reflect students' conceptual and practical progress, made throughout the semester, as well as demonstrated commitment. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Project and individual studio work, glaze tests, journal, drawings. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This unit may be combined with other approved units of study. The unit continues to expand and develop ceramic studio skills, through studio-based projects, as well as to provide the opportunity for students to identify an area of interest and develop that as a major project. This unit further develops skills in hand-building and wheel-throwing, that were introduced in Semester One, as well as providing an introduction to casting. Students develop design skills through the planning of their projects. Students continue to develop their understanding of technology (clays and glazes), learn to make their own casting slips, learn about high temperature glazes and learn to fire gas kilns. They identify an individual glaze project and develop it over the period of the semester. Through individual and group discussions, students explore and learn to articulate individual concepts and interests. Drawing is seen as integral to studio practice, and it is expected that students maintain a drawing/ studio journal.

**Textbooks**

Dormer P. The New Ceramics: Trends and Traditions.  
Peterson S. The Craft and Art of Clay: A Complete Potter's Handbook.  
Rawson P. Ceramics: a Philosophical Approach.  
Rhodes D. Clay and Glazes for the Potter.  
Currie I. Stoneware Glazes: a Systematic Approach.  
Hamer F. The Potter's Dictionary of Materials and Techniques.  
Journals  
Ceramics: Art and Perception.  
Pottery in Australia.  
Studio Potter.  
Object.

**MSTD2521****Glass C****Sydney College of the Arts**

**Credit points:** 12 **Teacher/Coordinator:** Jane Gavan, Andrew Lavery **Session:** Semester 1 **Classes:** 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD1111 and MSTD1112 **Corequisites:** THAP2611; and one of: THAP2621 or THAP2631 or THAP2641 **Prohibitions:** MSTD2191 **Assessment:** Students will be required to present projects at nominated dates during the semester. Students will be assessed in terms of how their work fulfils the criteria and extends their understanding of their practice. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Studio fees may apply. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The unit provides a studio-based approach to glass-working. Throughout this semester students will follow a project-based curriculum that encourages the development of critical and practical skills. Technical introductions are supported with thematic approaches encouraging exploration within studio glass, object making and design. A variety of glass-working activities are available for students to develop their skills, including: glass-blowing, cold-working, polishing and cutting, lathe-working, engraving, kiln-working, casting and mould-making, flame-working and glass-painting and sand-blasting.

**Textbooks**

Ioannou N. Australian Studio Glass. Craftsman House, 1995.  
Frantz S. Contemporary Glass. NY: Harry N Abrams Inc., 1989.

**MSTD2522****Glass D****Sydney College of the Arts**

**Credit points:** 12 **Teacher/Coordinator:** Jane Gavan, Andrew Lavery **Session:** Semester 2 **Classes:** 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD2521 **Corequisites:** THAP2612; and one of: THAP2622 or THAP2632 or THAP2642 **Assessment:** Students will be required to present projects at nominated dates during the semester. Assessment is in terms of how students' work fulfils the criteria and

extends their understanding of their practice and its context. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Studio fees may apply. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Students will begin to elect areas of study from approaches and skills acquired in Semester 1. This self-directed approach is combined with ongoing set projects that further develop critical and technical skills. In consultation with academic staff, students will begin to direct a path of exploration relevant to their interest and appropriate level of practical skill. Students may decide to work exclusively within the medium of glass or in conjunction with other media and processes as required. A variety of glass-working activities are available for students to develop their skills, including: glass-blowing, cold-working, polishing and cutting, lathe-working, engraving, kiln-working, casting and mould-making, flame-working and glass-painting and sand-blasting.

#### Textbooks

Rowley S. Craft and Contemporary Theory. Sydney: Allen & Unwin, 1997.  
Frantz S. Contemporary Glass. NY: Harry N Abrams Inc., 1989.

### MSTD2531

#### Jewellery and Object C Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Bridie Lander, Karin Findeis, Joyce Hinterding, Oliver Smith **Session:** Semester 1 **Classes:** 6 hours of contact and 6 hours of independent, studio-based practice. **Prerequisites:** MSTD1111 and MSTD1112 **Corequisites:** THAP2611; and one of THAP2621 or THAP2631 or THAP2641 **Prohibitions:** MSTD2191 **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

A studio-based, learning experience of jewellery and object-design practice. Students are encouraged to explore a range of approaches to the discipline. Conceptual and practical investigations challenge orthodox attitudes toward art, craft and design. Set projects, technical workshops and critical discussion assist students to identify, develop, research and resolve concepts as they relate to the design and making of jewellery and objects.

#### Textbooks

Refer to Jewellery and Object Reading List.

### MSTD2532

#### Jewellery and Object D Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Bridie Lander, Karin Findeis, Joyce Hinterding, Oliver Smith **Session:** Semester 2 **Classes:** 6 hours of contact and 6 hours of independent, studio-based practice. **Prerequisites:** MSTD2531 **Corequisites:** THAP2612; and one of: THAP2622 or THAP2632 or THAP2642 **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Students are offered a studio-based experience in the practice of jewellery and object design. Students are encouraged to explore a range of approaches to the discipline. Conceptual and practical investigations challenge orthodox attitudes toward art, craft and design. Set projects, technical workshops and critical discussion assist students to identify, develop, research and resolve concepts as they relate to the design and making of jewellery and objects.

#### Textbooks

Refer to Jewellery and Object Reading List.

### MSTD2541

#### Painting C Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Associate Professor Brad Buckley, Dr Debra Dawes, Dr Lindy Lee, Mr Matthys Gerber **Session:** Semester 1 **Classes:** 6 hours of contact and a minimum 6 hours of independent,

studio-based practice. **Prerequisites:** MSTD1111 and MSTD1112 **Corequisites:** THAP2611; and one of: THAP2621 or THAP2631 or THAP2641 **Prohibitions:** MSTD2191 **Assessment:** For information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The aims and objectives are achieved in the program by the use of a tutorial system. An academic advisor is assigned to a group of combined Second- and Third-Year students. This grouping fulfils the educational function of peer support and learning, allowing the increasing maturity of the students to be a demonstrable outcome. The academic advisor is responsible for the progress of those students. To provide access to different intellectual points of view these groups are remixed and rotated over four semesters. The other important aspect of the unit is the one-to-one studio tutorial, where the particular concerns and needs of the student are discussed, tailoring both technical information and theoretical knowledge in relation to the student's evolving work.

#### Textbooks

As prescribed by the academic advisor.

### MSTD2542

#### Painting D Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Associate Professor Brad Buckley, Dr Debra Dawes, Dr Lindy Lee, Mr Matthys Gerber **Session:** Semester 2 **Classes:** 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD2541 **Corequisites:** THAP2612; and one of: THAP2622 or THAP2632 or THAP2642 **Assessment:** For information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The aims and objectives are achieved in the program by the use of a tutorial system. An academic advisor is assigned to a group of combined Second- and Third-Year students. This grouping fulfils the educational function of peer support and learning, allowing the increasing maturity of the students to be a demonstrable outcome. The academic advisor is responsible for the progress of those students. To provide access to different intellectual points of view these groups are remixed and rotated over four semesters. The other important aspect of the unit is the one-to-one studio tutorial, where the particular concerns and needs of the student are discussed, tailoring both technical information and theoretical knowledge in relation to the student's evolving work.

#### Textbooks

As prescribed by the academic advisor

### MSTD2551

#### Printmedia C Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Justin Trendall, Andrew Hurler, Rebecca Beardmore **Session:** Semester 1 **Classes:** 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD1111 and MSTD1112 **Corequisites:** THAP2611; and one of: THAP2621 or THAP2631 or THAP2641 **Prohibitions:** MSTD2191 **Assessment:** Attendance at programmed sessions is a requirement for assessment. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Over the course of the semester students are introduced to a range of techniques, materials and ideas. A series of studio projects will provide students with the basic technical skills that are needed to begin working independently with the core print processes of etching and relief printing, digital print and screen-printing. A program of group and individual tutorials helps students to begin locating their ideas and creative thinking within a contemporary art and design context.

#### Textbooks

Refer to Studio Reading List.

### MSTD2552

#### Printmedia D

##### Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Justin Trendall, Andrew Hurle, Rebecca Beardmore **Session:** Semester 2 **Classes:** 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD2551 **Corequisites:** THAP2612; and one of: THAP2622 or THAP2632 or THAP2642 **Assessment:** Attendance at programmed sessions is a requirement for assessment. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Building on their first semester's work, and as part of the process of defining their own art practice or design practice, students begin to focus on specific areas of interest; identifying for themselves the print mediums they will be continuing to work with and the set of ideas that will form the basis of their conceptual explorations. An ongoing program of technical instruction and tutorial sessions will provide the framework for these developments.

*Textbooks*

Refer to Studio Reading List.

### MSTD2561

#### Sculpture C

##### Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Margaret Seymour, Michael Goldberg, Dr Adam Geczy **Session:** Semester 1 **Classes:** Weekly tutorial meetings, technical workshops and supervised studio work. 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD1111 and MSTD1112 **Corequisites:** THAP2611; and one of: THAP2621 or THAP2631 or THAP2641 **Prohibitions:** MSTD2191 **Assessment:** Assessment is based on: the fulfillment of studio requirements; the level of an individual's participation; engagement within the studio program; and the quality of works presented for critical review. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Studio practice. Students, in consultation with studio staff will develop an outline of their proposed study program at the commencement of the semester and maintain a studio diary. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Study in Sculpture Performance and Installation is a unified, studio-based activity addressing the concepts, methodologies and technologies integral to contemporary sculpture. This includes traditional sculptural processes as well as incorporating new media and digital technologies that are currently reshaping contemporary practice. Each student, in consultation with academic staff, develops an outline of their proposed study program at the commencement of the semester and maintains a studio diary. Students present work regularly for review and are encouraged to further develop and refine their individual studio practice. This process is supported by small-group projects, lectures, group and individual tutorials and critiques.

*Textbooks*

Refer to Studio Reading List

### MSTD2562

#### Sculpture D

##### Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Margaret Seymour, Michael Goldberg, Dr Adam Geczy **Session:** Semester 2 **Classes:** Weekly tutorial meetings, technical workshops and supervised studio work. 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD2561 **Corequisites:** THAP2612; and one of: THAP2622 or THAP2632 or THAP2642 **Assessment:** Assessment is based on: the fulfillment of studio requirements; the level of an individual's participation; engagement within the studio program; and the quality of works presented for critical review. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Studio practice. Students, in consultation with studio staff, will develop an outline of their proposed study program at the commencement of the semester and maintain a studio diary. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Study in Sculpture Performance and Installation is a unified, studio-based activity addressing the concepts, methodologies and technologies integral to contemporary sculpture. This includes traditional sculptural processes as well as incorporating new media and digital technologies that are currently reshaping contemporary practice. Each student, in consultation with academic staff, develops an outline of their proposed study program at the commencement of the semester and maintains a studio diary. Students present work regularly for review and are encouraged to further develop and refine their individual studio practice. This process is supported by small-group projects, lectures, group and individual tutorials and critiques.

*Textbooks*

Refer to Studio Reading List.

### MSTD2571

#### Photomedia C

##### Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Marilyn Fairskye, Steven Lojewski and others **Session:** Semester 1 **Classes:** One workshop class per week. 4 hours of contact and a minimum 4 hours of independent, studio-based practice. **Prerequisites:** MSTD1111 and MSTD1112 **Corequisites:** THAP2611; and one of: THAP2621 or THAP2631 or THAP2641 **Prohibitions:** MSTD2191 **Assessment:** Assessment is progressive as well as based on the work shown at the end of the semester. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This unit provides unified, studio-based activity where students investigate and develop their ideas through a variety of approaches and technologies. Experimentation is encouraged. In consultation with their academic advisor, students are expected to select two study options that reflect their individual concerns. Options that will be available are Snap to Grid, Cultural Research, Blow Up and Directorial, which variously explore digital imaging, extending photography, photo installation, and/or studio-based photography.

*Textbooks*

Refer to Studio Reading List.

### MSTD2572

#### Photomedia D

##### Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Marilyn Fairskye, Steven Lojewski and others **Session:** Semester 2 **Classes:** Three workshop classes per week. 4 hours of contact and a minimum 4 hours of independent, studio-based practice. **Prerequisites:** MSTD2571 **Corequisites:** THAP2612; and one of: THAP2622 or THAP2632 or THAP2642 **Assessment:** Progressive throughout the semester; includes class participation, attendance and the presentation of completed studio work at the end of the semester. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This unit provides a unified, studio-based activity where students investigate and develop their ideas through a variety of approaches and technologies. Experimentation is encouraged. In consultation with their academic advisor, students are expected to select two study options that reflect their individual concerns. Options that will be available are Snap to Grid, Cultural Research, Blow Up and Directorial, which variously explore digital imaging, extending photography, photo installation, and/or studio-based photography.

*Textbooks*

Refer to Studio reading list.

### MSTD2581

#### Film and Digital Art C

##### Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Geoff Weary, Ryszard Dabek, Josephine Starrs, John Conomos, Mahalya Middlemist **Session:** Semester 1 **Classes:** 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD1111 and MSTD1112

**Corequisites:** THAP2611; and one of: THAP2621 or THAP2631 or THAP2641  
**Prohibitions:** MSTD2191 **Assessment:** Progressive throughout the semester and includes class participation, attendance and the presentation of completed studio work at the end of the semester. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Major study is a unified, studio-based activity where student investigate their creative ideas through a variety of approaches to digital film, video, sound and multimedia. In consultation with their academic advisor, students are expected to select study options that reflect their individual concerns.

#### Textbooks

Refer to Studio Reading List.

### MSTD2582

#### Film and Digital Art D

##### Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Geoff Weary, Ryszard Dabek, Josephine Starrs, John Conomos, Mahalya Middlemist **Session:** Semester 2  
**Classes:** 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD2581 **Corequisites:** THAP2612; and one of: THAP2622 or THAP2632 or THAP2642 **Assessment:** Progressive throughout the semester and includes class participation, attendance and the presentation of completed studio work at the end of the semester. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Major study is a unified, studio-based activity where students investigate their creative ideas through a variety of approaches to digital film, video, sound and multimedia. In consultation with their academic advisor, students are expected to select study options that reflect their individual concerns.

#### Textbooks

Refer to Studio Reading List.

### MSTD3111

#### Ceramics E (Major)

##### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Jan Guy **Session:** Semester 1  
**Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 320 hours. **Prerequisites:** one of: MSTD2211 or MSTD2311 or MSTD2511; and one of: MSTD2212 or MSTD2312 or MSTD2512 **Corequisites:** THAP3301; and one of: THAP3321 or THAP3331 or THAP3341 **Assessment:** Assessment is based on: quality of performance in the studio throughout the semester; development and application of appropriate skills; and participation in practical and critical class activities and discussions. Assessment will reflect the student's conceptual and practical progress, made throughout the semester, as well as demonstrated commitment. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Individual studio work, glaze tests, journal. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

In this unit the focus is on student-initiated studio work in consultation with staff. Students develop projects, select methods and technologies suitable for their individual programs, and extend and develop new skills. Emphasis is placed on imaginative problem solving, development of a personal language, and conceptual and critical skill development. Students will engage with the research, development and fine-tuning of ideas, design and use of appropriate technologies. Students may choose to combine ceramics with other media through individual initiative or minor studies.

#### Textbooks

It is expected that students read national and international periodicals, research ideas related to the student's area of interest, as well as accessing appropriate technical information.

#### Journals

American Ceramics.

Ceramics: Art and Perception.

Pottery in Australia.

Studio Potter.

Object.

### MSTD3112

#### Ceramics F (Major)

##### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Jan Guy **Session:** Semester 2  
**Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 320 hours. **Prerequisites:** one of: MSTD3111 or MSTD3511 or MSTD3411 **Corequisites:** THAP3302; and one of: THAP3322 or THAP3332 or THAP3342 **Prohibitions:** MSTD3102 **Assessment:** Assessment is based on: quality of performance in the studio throughout the semester; development and application of appropriate skills; and participation in practical and critical class activities and discussions. Assessment will reflect the student's conceptual and practical progress, made throughout the semester, as well as demonstrated commitment. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Completion of individually-based studio projects, journal and studio portfolio. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

This unit focuses on the professional development of work through an emphasis on preparing work ready for exhibition. Students continue the development and refinement of self-directed, studio-based projects, with emphasis on the development of a personal language/vision. They continue to develop conceptual and technical skills aimed at finalising their work and to develop a personal language within their ceramic practice. Students will learn how to exhibit their work to advantage, with respect to concept and space, and photographically document their work to a professional level.

#### Textbooks

It is expected that students read national and international periodicals, research ideas related to the student's area of interest, as well as accessing appropriate technical information.

### MSTD3121

#### Glass E (Major)

##### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Jane Gavan, Andrew Lavery **Session:** Semester 1 **Classes:** 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** one of: MSTD2221 or MSTD2321 or MSTD2521; and one of: MSTD2222 or MSTD2322 or MSTD2522 **Corequisites:** THAP3301; and one of: THAP3321 or THAP3331 or THAP3341 **Prohibitions:** MSTD3101 **Assessment:** Students will be required to present evidence of work(s) for discussion at nominated dates during the semester. Students will be assessed in terms of how their work fulfils the criteria and extends their understanding of their practice. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Studio fees may apply. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Students will commence this unit by developing individual proposals that extend areas of exploration relevant to their interest and appropriate level of practical skill. Emphasis is placed on developing theoretical and relevant skill towards realising set goals. Students are expected to present a body of work that is the realisation of this proposal. Students are introduced to skills related to sustaining a visual arts/crafts practice such as studio set-ups and marketing. A variety of glass-working activities are available for students to develop their skills, including: glass-blowing, cold-working, polishing and cutting, lathe-working, engraving, kiln-working, casting and mould-making, flame-working and glass-painting and sand-blasting. The first semester is characterised by sessions of analysis and feedback in weekly group sessions that develop students' ability to handle an increased workload and a more critically focused and time-limited project.

#### Textbooks

Clements J & Pennings M. Cultural Theory & Crafts Practice. Craft Victoria, 1996.

Rowley S. Craft and Contemporary Theory. Sydney: Allen & Unwin, 1997.

Zimmer J (ed). Contemporary Craft Review. Craft Victoria, 1995.

### MSTD3122

#### Glass F (Major)

## Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Jane Gavan, Andrew Lavery  
**Session:** Semester 2 **Classes:** 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** one of: MSTD3121 or MSTD3521 or MSTD3421 **Corequisites:** THAP3302; and one of: THAP3322 or THAP3332 or THAP3342 **Assessment:** Students will be required to present projects at nominated dates during the semester. Assessment is in terms of how students' work fulfils the criteria and extends their understanding of their practice and its context. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Studio fees may apply. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

### Associated degrees: B V A.

The unit provides a studio-based approach to glass-working. Students will, in conjunction with staff, develop individual proposals that continue to expand areas of exploration relevant to their interest and appropriate level of practical skill. Emphasis is placed on developing theoretical and relevant skills towards realising set goals. Students are expected to present a body of work that realises these goals and draws in the experience and new understandings gained from the previous semester. The body of work is expected to be cohesive and demonstrate competence in critical and technical terms. A variety of glass-working activities are available for students to develop their skills, including: glass-blowing, cold-working, polishing and cutting, lathe-working, engraving, kiln-working, casting and mould-making, flame-working and glass-painting and sand-blasting. This semester culminates in the professional presentation and documentation of this work in the end-of-year exhibition; therefore, skills are developed this semester that extend on the professional presentation and finishing of objects in glass and other materials.

#### Textbooks

Clements J & Pennings M. *Cultural Theory & Crafts Practice*. Craft Victoria, 1996.

Rowley S. *Craft and Contemporary Theory*. Sydney: Allen & Unwin, 1997.

Zimmer J (ed). *Contemporary Craft Review*. Craft Victoria, 1995.

## MSTD3131

### Jewellery and Object E

#### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Bridie Lander, Karin Findeis, Joyce Hinterding, Oliver Smith **Session:** Semester 1 **Classes:** 8 hours of contact and 8 hours of independent, studio-based practice. **Prerequisites:** one of: MSTD2231 or MSTD2331 or MSTD2531; and one of: MSTD2232 or MSTD2332 or MSTD2532 **Corequisites:** THAP3301; and one of: THAP3321 or THAP3331 or THAP3341 **Prohibitions:** MSTD3101 **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

### Associated degrees: B V A.

Studio-based, learning experience of jewellery and object-design practice. Students work independently to explore individually identified approaches to the disciplines and to develop personally expressive material language, engaging with contemporary art, craft and design. Individual and group tutorials and critical discussion assist students to identify, develop, research and resolve concepts as they relate to the design and making of jewellery and objects, concluding in a resolved body of work.

#### Textbooks

Refer to Jewellery and Object Reading List.

## MSTD3132

### Jewellery and Object F

#### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Bridie Lander, Karin Findeis, Joyce Hinterding, Oliver Smith **Session:** Semester 2 **Classes:** 8 hours of contact and 8 hours of independent, studio-based practice. **Prerequisites:** MSTD3131 or MSTD3531 or MSTD3431 **Corequisites:** THAP3302; and one of: THAP3322 or THAP3332 or THAP3342 **Prohibitions:** MSTD3102 **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

### Associated degrees: B V A.

Studio-based, learning experience of jewellery and object-design practice. Students work independently to explore individually identified approaches to the disciplines and to develop personally expressive material language, engaging with contemporary art, craft and design. Individual and group tutorials and critical discussion assist students to identify, develop, research and resolve concepts as they relate to the design and making of jewellery and objects, concluding in a resolved body of work.

#### Textbooks

Refer to Jewellery and Object Reading List.

## MSTD3141

### Painting E (Major)

#### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Associate Professor Brad Buckley, Dr Debra Dawes, Dr Lindy Lee, Mr Matthys Gerber **Session:** Semester 1 **Classes:** 8 hours of contact and a minimum 8 hours of independent, studio-based practice, including a two-hour, weekly group tutorial and minimum contact of a one-to-one, studio tutorial meeting each week with the academic advisor. **Prerequisites:** one of: MSTD2241 or MSTD2341 or MSTD2541; and one of: MSTD2242 or MSTD2342 or MSTD2542 **Corequisites:** THAP3301; and one of: THAP3321 or THAP3331 or THAP3341 **Prohibitions:** MSTD3101 **Assessment:** For information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

### Associated degrees: B V A.

The aims and objectives are achieved in the program by the use of a tutorial system. An academic advisor is assigned to a group of combined Second- and Third-Year students. This grouping fulfils the educational function of peer support and learning, allowing the increasing maturity of the students to be a demonstrable outcome, which can be seen, by the students in Second Year. The academic advisor is responsible for the progress of those students. To provide access to different intellectual points of view these groups are remixed and rotated over four semesters. The other important aspect of the unit is the one-to-one studio tutorial, where the particular concerns and needs of the student are discussed, tailoring both technical information and theoretical knowledge in relation to the student's evolving work.

#### Textbooks

As prescribed by the academic advisor.

## MSTD3142

### Painting F (Major)

#### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Associate Professor Brad Buckley, Dr Debra Dawes, Dr Lindy Lee, Mr Matthys Gerber **Session:** Semester 2 **Classes:** 8 hours of contact and a minimum 8 hours of independent, studio-based practice, including a two-hour, weekly group tutorial and minimum contact of a one-to-one, studio tutorial meeting each week with the academic advisor. **Prerequisites:** MSTD3141 or MSTD3541 or MSTD3441 **Corequisites:** THAP3302; and one of: THAP3322 or THAP3332 or THAP3342 **Prohibitions:** MSTD3102 **Assessment:** For information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

### Associated degrees: B V A.

The aims and objectives are achieved in the program by the use of a tutorial system. An academic advisor is assigned to a group of combined Second- and Third-Year students. This grouping fulfils the educational function of peer support and learning, allowing the increasing maturity of the students to be a demonstrable outcome, which can be seen, by the students in Second Year. The academic advisor is responsible for the progress of those students. To provide access to different intellectual points of view these groups are remixed and rotated over four semesters. The other important aspect of the unit is the one-to-one studio tutorial, where the particular concerns and needs of the student are discussed, tailoring both technical

information and theoretical knowledge in relation to the student's evolving work.

#### Textbooks

As prescribed by the academic advisor.

### MSTD3151

#### Printmedia E (Major)

##### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Justin Trendall, Andrew Hurle, Rebecca Beardmore **Session:** Semester 1 **Classes:** 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** One of: MSTD2251 or MSTD2351 or MSTD2551; and one of: MSTD2252 or MSTD2352 or MSTD2552 **Corequisites:** THAP3301; and one of: THAP3321 or THAP3331 or THAP3341 **Prohibitions:** MSTD3101 **Assessment:** Attendance at programmed sessions is a requirement for assessment. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

The primary focus of the Third-Year unit is the consolidation of each student's own art or design practice. Students are expected to work in an independent and self-directed way, further developing their own studio projects and conceptual explorations. A program of individual and group tutorials, together with a written work proposal and a group exhibition project, will provide the framework for this consolidation process.

#### Textbooks

Refer to Studio Reading List.

### MSTD3152

#### Printmedia F (Major)

##### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Justin Trendall, Andrew Hurle, Rebecca Beardmore **Session:** Semester 2 **Classes:** 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** MSTD3151 or MSTD3551 or MSTD3451 **Corequisites:** THAP3302; and one of: THAP3322 or THAP3332 or THAP3342 **Prohibitions:** MSTD3102 **Assessment:** Attendance at programmed sessions is a requirement for assessment. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Students will be working independently in the studio, with the focus being on the completion of a fully resolved body of work for their final presentation. A program of individual and group tutorials will continue to provide the framework for these developments.

#### Textbooks

Refer to Studio Reading List.

### MSTD3161

#### Sculpture E (Major)

##### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Margaret Seymour, Michael Goldberg, Dr Adam Geczy **Session:** Semester 1 **Classes:** Weekly tutorial meetings, technical workshops and supervised studio work. 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** one of: MSTD2261 or MSTD2361 or MSTD2561; and one of: MSTD2262 or MSTD2362 or MSTD2562 **Corequisites:** THAP3301; and one of: THAP3321 or THAP3331 or THAP3341 **Prohibitions:** MSTD3101 **Assessment:** Assessment is based on: the fulfillment of studio requirements; the level of an individual's participation; engagement within the studio program; and the quality of works presented for critical review. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Studio practice. Students, in consultation with studio staff, will develop an outline of their proposed study program at the commencement of the semester and maintain a studio diary. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Study in Sculpture Performance and Installation is a unified, studio-based activity addressing the concepts, methodologies and technologies integral to contemporary sculpture. This includes

traditional sculptural processes as well as incorporating new media and digital technologies that are currently reshaping contemporary practice. Each student, in consultation with academic staff, develops an outline of their proposed study program at the commencement of the semester and maintains a studio diary. Students present work regularly for review and are encouraged to further develop and refine their individual studio practice. This process is supported by small-group projects, lectures, group and individual tutorials and critiques.

#### Textbooks

Refer to Studio Reading List.

### MSTD3162

#### Sculpture F (Major)

##### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Margaret Seymour, Michael Goldberg, Dr Adam Geczy **Session:** Semester 2 **Classes:** Weekly tutorial meetings, technical workshops and supervised studio work. 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** MSTD3161 or MSTD3561 or MSTD3461 **Corequisites:** THAP3302; and one of: THAP3322 or THAP3332 or THAP3342 **Prohibitions:** MSTD3102 **Assessment:** Assessment is based on: the fulfillment of studio requirements; the level of an individual's participation; engagement within the studio program; and the quality of works presented for critical review. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Studio practice. Students, in consultation with studio staff, will develop an outline of their proposed study program at the commencement of the semester and maintain a studio diary. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Study in Sculpture Performance and Installation is a unified, studio-based activity addressing the concepts, methodologies and technologies integral to contemporary sculpture. This includes traditional sculptural processes as well as incorporating new media and digital technologies that are currently reshaping contemporary practice. Each student, in consultation with academic staff, develops an outline of their proposed study program at the commencement of the semester and maintains a studio diary. Students present work regularly for review and are encouraged to further develop and refine their individual studio practice. This process is supported by small-group projects, lectures, group and individual tutorials and critiques.

#### Textbooks

Refer to Studio Reading List.

### MSTD3171

#### Photomedia E (Major)

##### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Anne Ferran, Steven Lojewski, Merilyn Fairsky **Session:** Semester 1 **Classes:** One of the optional strands, the Year 3 Studio Seminar Program, Project Development meetings, and regular academic contact. 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** one of: MSTD2271 or MSTD2371 or MSTD2571; and one of: MSTD2272 or MSTD2372 or MSTD2572 **Corequisites:** THAP3301; and one of: THAP3321 or THAP3331 or THAP3341 **Prohibitions:** MSTD3101 **Assessment:** Progressive throughout the semester; includes class participation, attendance and the presentation of completed studio work at the end of the semester. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Students will be expected to: confidently explore working processes and directions that are personally relevant; refine the skills; and demonstrate facility with analog/digital technical processes appropriate to this enterprise. A coherent body of work, evidence of an independent practice or to serve as a foundation for further study, is the desired outcome at this stage. Two optional studio strands are offered. Students are expected to participate in one or both throughout the semester and in the studio seminar program, and to engage in the relevant academic requirements.

#### Textbooks

Refer to Studio Reading List.

### MSTD3172

#### Photomedia F (Major)

##### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Anne Ferran, Steven Lojewski, Merilyn Fairsky **Session:** Semester 2 **Classes:** At least one of the optional strands, the Year 3 Studio Seminar Program, Project Development meetings, and regular academic contact. 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** MSTD3171 or MSTD3571 or MSTD3471 **Corequisites:** THAP3302; and one of: THAP3322 or THAP3332 or THAP3342 **Prohibitions:** MSTD3102 **Assessment:** Progressive throughout the semester; includes class participation, attendance and the presentation of completed studio work at the end of the semester. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

#### Associated degrees: B V A.

Students will be expected to: confidently explore working processes and directions that are personally relevant; refine the skills; and demonstrate facility with analog/digital technical processes appropriate to this enterprise. A coherent body of work, evidence of an independent practice or to serve as a foundation for further study, is the desired outcome at this stage. Two optional studio strands are offered. Students are expected to participate in one or both throughout the semester and in the studio seminar program, and to engage in the relevant academic requirements.

*Textbooks*

Refer to Studio Reading List.

### MSTD3181

#### Film and Digital Art E (Major)

##### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Geoff Weary, Ryszard Dabek, Josephine Starrs, John Conomos, Mahalya Middlemist **Session:** Semester 1 **Classes:** 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** one of: MSTD2281 or MSTD2381 or MSTD2581; and one of: MSTD2282 or MSTD2382 or MSTD2582 **Corequisites:** THAP3301; and one of: THAP3321 or THAP3331 or THAP3341 **Prohibitions:** MSTD3101 **Assessment:** Based on: quality of performance in the studio throughout the semester; development and application of appropriate skills; and participation in practical and critical class activities including discussions. Assessment will reflect the progress a student has made throughout the semester both conceptually and practically. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

#### Associated degrees: B V A.

Production of studio-based, class and individual projects; development of studio portfolio/journal. Students will be expected to confidently explore working processes and directions that are personally relevant, and to refine skills and demonstrate facility with the technical processes appropriate to this enterprise. Students will produce a coherent body of work that reflects evidence of an independent practice that may serve as a foundation for further study.

*Textbooks*

Refer to Studio Reading List.

### MSTD3182

#### Film and Digital Art F (Major)

##### Sydney College of the Arts

**Credit points:** 16 **Teacher/Coordinator:** Geoff Weary, Ryszard Dabek, Josephine Starrs, John Conomos, Mahalya Middlemist **Session:** Semester 2 **Classes:** 8 hours of contact and a minimum 8 hours of independent, studio-based practice. **Prerequisites:** MSTD3181 or MSTD3581 or MSTD3481 **Corequisites:** THAP3302; and one of: THAP3322 or THAP3332 or THAP3342 **Prohibitions:** MSTD3102 **Assessment:** Progressive throughout the semester; includes class participation, attendance and the presentation of completed studio work at the end of the semester. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

#### Associated degrees: B V A.

Students will be expected to confidently explore working processes and directions that are personally relevant, to refine skills and to demonstrate facility with the technical processes appropriate to this enterprise. Students will produce a coherent body of work that reflects evidence of an independent practice that may serve as a foundation for further study.

*Textbooks*

Refer to Studio Reading List.

### MSTD3511

#### Ceramics E

##### Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Jan Guy **Session:** Semester 1 **Classes:** 6 hours of contact and a minimum 6 hours of independent studio-based practice. **Prerequisites:** either MSTD2511 or MSTD2211; and either MSTD2512 or MSTD2212 **Corequisites:** THAP3401 and THAP3441 **Assessment:** Assessment is based on: quality of performance in the studio throughout the semester; development and application of appropriate skills; and participation in practical and critical class activities and discussions. Assessment will reflect the student's conceptual and practical progress, made throughout the semester, as well as demonstrated commitment. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Individual studio work, glaze tests, journal. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

#### Associated degrees: B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

In this unit the focus is on student-initiated studio work in consultation with staff. Students develop projects and select methods and technologies suitable for their individual programs and extend and develop new skills. Emphasis is placed on imaginative problem solving, development of a personal language, and conceptual and critical skill development. Students will engage with the research, development and fine-tuning of ideas, design and use of appropriate technologies. Students may choose to combine ceramics with other media through individual initiative or minor studies.

*Textbooks*

It is expected that students read national and international periodicals, research ideas related to the student's area of interest, as well as accessing appropriate technical information.

*Journals*

American Ceramics.

Ceramics: Art and Perception.

Pottery in Australia.

Studio Potter.

Object.

### MSTD3512

#### Ceramics F

##### Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Jan Guy and/or part-time staff. **Session:** Semester 2 **Classes:** 6 hours of contact and a minimum 6 hours of independent studio-based practice. **Prerequisites:** MSTD3511 **Corequisites:** THAP3402 and THAP3442 **Assessment:** Based on: quality of performance in the studio throughout the semester; development and application of appropriate skills; and participation in practical and critical class activities and discussions. Assessment will reflect the progress a student has made throughout the semester both on a practical and conceptual level. **Practical field work:** Completion of individually-based studio projects, journal and studio portfolio. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

#### Associated degrees: B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This unit focuses on the development and refinement of self-directed, studio-based projects. Students meet and discuss their work regularly with staff and are expected to finish work to a professional level, exhibiting it at the end-of-year exhibition. Students are expected to develop a personal language within their ceramic practice. In addition they are asked to develop a professional portfolio of their work.

*Textbooks*

It is expected that students read national and international periodicals, research ideas related to the student's area of interest, as well as accessing appropriate technical information.

### MSTD3521

#### Glass E



**Sydney College of the Arts**

**Credit points:** 12 **Teacher/Coordinator:** Jane Gavan, Andrew Lavery  
**Session:** Semester 1 **Classes:** 6 hours of contact and minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD2521 or MSTD2221; and MSTD2522 or MSTD2222 **Corequisites:** THAP3401 and THAP3441  
**Assessment:** Students will be required to present projects at nominated dates during the semester. Students will be assessed in terms of how their work fulfils the criteria and extends their understanding of their practice. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Studio fees may apply. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Students will, in conjunction with staff, develop individual proposals that extend areas of exploration relevant to their interest and appropriate level of practical skill. Emphasis is placed on developing theoretical and relevant skill towards realising set goals. Students are expected to present a body of work that is the realisation of this proposal. Students are introduced to business skills related to sustaining a visual arts/crafts practice. A variety of glass-working activities are available for students to develop their skills, including: glass blowing, cold-working, polishing and cutting, lathe-working, engraving, kiln-working, casting and mould-making, flame-working and glass-painting and sand-blasting.

*Textbooks*

Clements J & Pennings M. Cultural Theory & Crafts Practice. Craft Victoria, 1996.

Rowley S. Craft and Contemporary Theory. Sydney: Allen & Unwin, 1997.

Zimmer J (ed). Contemporary Craft Review. Craft Victoria, 1995.

**MSTD3522****Glass F****Sydney College of the Arts**

**Credit points:** 12 **Teacher/Coordinator:** Jane Gavan, Andrew Lavery  
**Session:** Semester 2 **Classes:** 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD3521 **Corequisites:** THAP3402 and THAP3442 **Assessment:** Students will be required to present projects at nominated dates during the semester. Students will be assessed in terms of how their work fulfils the criteria and extends their understanding of their practice and its context. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Studio fees may apply. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The unit provides a studio-based approach to glass-working. Students will, in conjunction with staff, develop individual proposals that continue to expand areas of exploration relevant to their interest and appropriate level of practical skill. Emphasis is placed on developing theoretical and relevant skills towards realising set goals. Students are expected to present a body of work that realises these goals. The body of work is expected to be cohesive and demonstrate competence in critical and technical terms. A variety of glass-working activities are available for students to develop their skills, including: glass-blowing, cold-working, polishing and cutting, lathe-working, engraving, kiln-working, casting and mould-making, flame-working and glass-painting and sand-blasting. This semester culminates in the professional presentation and documentation of this work in the end-of-year exhibition; therefore, skills are developed this semester that extend on the professional presentation and finishing of objects in glass and other materials.

*Textbooks*

Rowley S. Craft and Contemporary Theory. Sydney: Allen & Unwin, 1997.

Frantz S. Contemporary Glass. NY: Harry N Abrams Inc., 1989.

**MSTD3531****Jewellery and Object E****Sydney College of the Arts**

**Credit points:** 12 **Teacher/Coordinator:** Bridie Lander, Karin Findeis, Joyce Hinterding, Oliver Smith **Session:** Semester 1 **Classes:** 6 hours of contact and 6 hours of independent, studio-based practice. **Prerequisites:** MSTD2531 or MSTD2231; and MSTD2532 or MSTD2232 **Corequisites:** THAP3401 and THAP3441 **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further

information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Studio-based, learning experience of jewellery and object-design practice. Students work independently to explore individually identified approaches to the disciplines and to develop personally expressive material language, engaging with contemporary art, craft and design. Individual and group tutorials and critical discussion assist students to identify, develop, research and resolve concepts as they relate to the design and making of jewellery and objects, concluding in a resolved body of work.

*Textbooks*

Refer to Jewellery and Object Reading List.

**MSTD3532****Jewellery and Object F****Sydney College of the Arts**

**Credit points:** 12 **Teacher/Coordinator:** Bridie Lander, Karin Findeis, Joyce Hinterding, Oliver Smith **Session:** Semester 2 **Classes:** 6 hours of contact and 6 hours of independent, studio-based practice. **Prerequisites:** MSTD3531 **Corequisites:** THAP3402 and THAP3442 **Assessment:** Based on performance and critical understanding of project work presented at nominated dates during the semester. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Studio-based, learning experience of jewellery and object-design practice. Students work independently to explore individually identified approaches to the disciplines and to develop personally expressive material language, engaging with contemporary art, craft and design. Individual and group tutorials and critical discussion assist students to identify, develop, research and resolve concepts as they relate to the design and making of jewellery and objects, concluding in a resolved body of work.

*Textbooks*

Refer to Jewellery and Object Reading List.

**MSTD3541****Painting E****Sydney College of the Arts**

**Credit points:** 12 **Teacher/Coordinator:** Associate Professor Brad Buckley, Dr Debra Dawes, Dr Lindy Lee, Mr Matthys Gerber **Session:** Semester 1 **Classes:** 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** (MSTD2541 or MST2241) and (MSTD2542 or MST2242) **Corequisites:** THAP3401 and THAP3431 **Assessment:** For information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The aims and objectives are achieved in the program by the use of a tutorial system. An academic advisor is assigned to a group of combined Second- and Third-Year students. This grouping fulfils the educational function of peer support and learning, allowing the increasing maturity of the students to be a demonstrable outcome. The academic advisor is responsible for the progress of those students. To provide access to different intellectual points of view these groups are remixed and rotated over four semesters. The other important aspect of the unit is the one-to-one studio tutorial, where the particular concerns and needs of the student are discussed, tailoring both technical information and theoretical knowledge in relation to the student's evolving work.

*Textbooks*

As prescribed by the academic advisor.

**MSTD3542****Painting F****Sydney College of the Arts**

**Credit points:** 12 **Teacher/Coordinator:** Associate Professor Brad Buckley, Dr Debra Dawes, Dr Lindy Lee, Mr Matthys Gerber **Session:** Semester 2 **Classes:** 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD3541 **Corequisites:** THAP3402

and THAP3432 **Assessment:** For information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The aims and objectives are achieved in the program by the use of a tutorial system. An academic advisor is assigned to a group of combined Second- and Third-Year students. This grouping fulfils the educational function of peer support and learning, allowing the increasing maturity of the students to be a demonstrable outcome. The academic advisor is responsible for the progress of those students. To provide access to different intellectual points of view these groups are remixed and rotated over four semesters. The other important aspect of the unit is the one-to-one studio tutorial, where the particular concerns and needs of the student are discussed, tailoring both technical information and theoretical knowledge in relation to the student's evolving work.

*Textbooks*

As prescribed by the academic advisor.

### MSTD3551

#### Printmedia E

#### Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Justin Trendall, Andrew Hurle, Rebecca Beardmore **Session:** Semester 1 **Classes:** 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD2551 or MSTD2251; and MSTD2552 or MSTD2252 **Corequisites:** THAP3401 and THAP3431 **Assessment:** Attendance at programmed sessions is a requirement for assessment. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The primary focus of the third year unit is the consolidation of each student's own art or design practice. Students are expected to work in an independent and self-directed way, further developing their own studio projects and conceptual explorations. A program of individual and group tutorials, together with a written work proposal and a group exhibition project will provide the framework for this consolidation process.

*Textbooks*

Refer to Studio Reading List.

### MSTD3552

#### Printmedia F

#### Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Justin Trendall, Andrew Hurle, Rebecca Beardmore **Session:** Semester 2 **Classes:** 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD3551 **Corequisites:** THAP3402 and THAP3432 **Assessment:** Attendance at programmed sessions is a requirement for assessment. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Students will be working independently in the studio, with the focus being on the completion of a fully resolved body of work for their final presentation. A program of individual and group tutorials will continue provide the framework for these developments.

*Textbooks*

Refer to Studio Reading List.

### MSTD3561

#### Sculpture E

#### Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Margaret Seymour, Michael Goldberg, Dr Adam Geczy **Session:** Semester 1 **Classes:** Weekly tutorial meetings, technical workshops and supervised studio work. 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD2561 or MSTD2261; and MSTD2562 or MSTD2262 **Corequisites:** THAP3401 and THAP3431 **Assessment:** Assessment is based on: the

fulfilment of studio requirements; the level of an individual's participation; engagement within the studio program; and the quality of works presented for critical review. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Studio practice. Students, in consultation with studio staff, will develop an outline of their proposed study program at the commencement of the semester and maintain a studio diary. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Study in Sculpture Performance and Installation is a unified, studio-based activity addressing the concepts, methodologies and technologies integral to contemporary sculpture. This includes traditional sculptural processes as well as incorporating new media and digital technologies that are currently reshaping contemporary practice. Each student, in consultation with academic staff, develops an outline of their proposed study program at the commencement of the semester and maintains a studio diary. Students present work regularly for review and are encouraged to further develop and refine their individual studio practice. This process is supported by small-group projects, lectures, group and individual tutorials and critiques.

*Textbooks*

Refer to Studio Reading List.

### MSTD3562

#### Sculpture F

#### Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Margaret Seymour, Michael Goldberg, Dr Adam Geczy **Session:** Semester 2 **Classes:** Weekly tutorial meetings, technical workshops and supervised studio work. 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD3561 **Corequisites:** THAP3402 and THAP3432 **Assessment:** Assessment is based on: the fulfillment of studio requirements; the level of an individual's participation; engagement within the studio program; and the quality of works presented for critical review. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Practical field work:** Studio practice. Students, in consultation with studio staff, will develop an outline of their proposed study program at the commencement of the semester and maintain a studio diary. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Study in Sculpture Performance and Installation is a unified, studio-based activity addressing the concepts, methodologies and technologies integral to contemporary sculpture. This includes traditional sculptural processes as well as incorporating new media and digital technologies that are currently reshaping contemporary practice. Each student, in consultation with academic staff, develops an outline of their proposed study program at the commencement of the semester and maintains a studio diary. Students present work regularly for review and are encouraged to further develop and refine their individual studio practice. This process is supported by small-group projects, lectures, group and individual tutorials and critiques.

*Textbooks*

Refer to Studio Reading List.

### MSTD3571

#### Photomedia E

#### Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Anne Ferran, Steven Lojewski, Marilyn Fairskye **Session:** Semester 1 **Classes:** At least one of the optional strands, the Year 3 Studio Seminar Program, and regular academic contact. 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD2571 or MSTD2271; and MSTD2572 or MSTD2272 **Corequisites:** THAP3401 and THAP3421 **Assessment:** Progressive throughout the semester; includes class participation, attendance and the presentation of completed studio work at the end of the semester. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Students will be expected to: confidently explore working processes and directions that are personally relevant; refine the skills; and demonstrate facility with analog/digital technical processes appropriate to this enterprise. A coherent body of work, evidence of an independent practice or to serve as a foundation for further study, is the desired outcome at this stage. Two optional studio strands are offered. Students are expected to participate in one or both throughout the semester and in the studio seminar program, and to engage in the relevant academic requirements.

### MSTD3572

#### Photomedia F

#### Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Anne Ferran, Steven Lojewski, Merilyn Fairskye **Session:** Semester 2 **Classes:** At least one of the optional strands, the Year 3 Studio Seminar Program, and regular academic contact. 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD3571 **Corequisites:** THAP3402 and THAP3422 **Assessment:** Progressive throughout the semester; includes class participation, attendance and the presentation of completed studio work at the end of the semester. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Students will be expected to: confidently explore working processes and directions that are personally relevant; refine the skills; and demonstrate facility with analog/digital technical processes appropriate to this enterprise. A coherent body of work, evidence of an independent practice or to serve as a foundation for further study, is the desired outcome at this stage. Two optional studio strands are offered. Students are expected to participate in one or both throughout the semester and in the studio seminar program, and to engage in the relevant academic requirements.

### MSTD3581

#### Film and Digital Art E

#### Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Geoff Weary, Ryszard Dabek, Josephine Starrs, John Conomos, Mahalya Middlemist **Session:** Semester 1 **Classes:** 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD2581 or MSTD2281; and MSTD2582 or MSTD2282 **Corequisites:** THAP3401 and THAP3421 **Assessment:** Based on: quality of performance in the studio throughout the semester; development and application of appropriate skills; and participation in practical and critical class activities including discussions. Assessment will reflect the progress a student has made throughout the semester both conceptually and practically. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Production of studio-based, class and individual projects; development of studio portfolio/journal. Students will be expected to confidently explore working processes and directions that are personally relevant, to refine skills and to demonstrate facility with the technical processes appropriate to this enterprise. Students will produce a coherent body of work that reflects evidence of an independent practice that may serve as a foundation for further study.

#### Textbooks

Refer to Studio Reading List.

### MSTD3582

#### Film and Digital Art F

#### Sydney College of the Arts

**Credit points:** 12 **Teacher/Coordinator:** Geoff Weary, Ryszard Dabek, Josephine Starrs, John Conomos, Mahalya Middlemist **Session:** Semester 2 **Classes:** 6 hours of contact and a minimum 6 hours of independent, studio-based practice. **Prerequisites:** MSTD3481 or MSTD3581 **Corequisites:** THAP3402 and THAP3422 **Assessment:** Progressive throughout the semester; includes class participation, attendance and the presentation of completed studio work at the end of the semester. For further information refer to SCA Assessment Criteria. Assessment will be commensurate with the credit point value of the unit. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Students will be expected to confidently explore working processes and directions that are personally relevant, to refine skills and to demonstrate facility with the technical processes appropriate to this enterprise. Students will produce a coherent body of work that reflects evidence of an independent practice that may serve as a foundation for further study.

#### Textbooks

Refer to Studio Reading List.

### MSTD4111

#### Honours Studio Project A

#### Sydney College of the Arts

**Credit points:** 4 **Session:** Semester 1 **Corequisites:** THAP4231 and THAP4251 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A (Hons).

In this unit students develop a body of studio-based work in support of the dissertation. Students meet regularly with their supervisor for discussion and feedback.

### MSTD4112

#### Honours Studio Project B

#### Sydney College of the Arts

**Credit points:** 8 **Session:** Semester 2 **Corequisites:** THAP4222 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A (Hons).

This unit is a continuation of studio-based project work done in support of the dissertation. Students meet regularly with their supervisor for discussion and feedback.

### MSTD4221

#### Honours Studio A Media Arts

#### Sydney College of the Arts

**Credit points:** 16 **Session:** Semester 1 **Corequisites:** THAP4241 and THAP4251 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A (Hons).

Students research and develop a coherent body of studio work that is individually conceived. In addition, they research and prepare the first draft of the research paper. Both are monitored through regular meetings with their supervisor who provides advice and feedback.

### MSTD4222

#### Honours Studio B Media Arts

#### Sydney College of the Arts

**Credit points:** 16 **Session:** Semester 2 **Prerequisites:** MSTD4221 **Corequisites:** THAP4242 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A (Hons).

This unit is a continuation of MSTD4221 and entails research and development of a coherent body of studio work leading to exhibition and final assessment. Regular meetings with the student's supervisor provide advice and feedback.

### MSTD4231

#### Honours Studio A Fine Arts

#### Sydney College of the Arts

**Credit points:** 16 **Session:** Semester 1 **Corequisites:** THAP4241 and THAP4251 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A (Hons).

Students research and develop a coherent body of studio work that is individually conceived. In addition, they research and prepare the first draft of the research paper. Both are monitored through regular meetings with their supervisor who provides advice and feedback.

## MSTD4232

### Honours Studio B Fine Arts Sydney College of the Arts

**Credit points:** 16 **Session:** Semester 2 **Prerequisites:** MSTD4231  
**Corequisites:** THAP4242 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A (Hons).

This unit is a continuation of MSTD4231 and entails research and development of a coherent body of studio work leading to exhibition and final assessment. Regular meetings with the student's supervisor provide advice and feedback.

## MSTD4241

### Honours Studio A Object Art and Design Sydney College of the Arts

**Credit points:** 16 **Session:** Semester 1 **Corequisites:** THAP4241 and THAP4251 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A (Hons).

Students research and develop a coherent body of studio work that is individually conceived. In addition they research and prepare the first draft of the research paper. Both are monitored through regular meetings with their supervisor who provides advice and feedback.

## MSTD4242

### Honours Studio B Object Art and Design Sydney College of the Arts

**Credit points:** 16 **Session:** Semester 2 **Prerequisites:** MSTD4241  
**Corequisites:** THAP4242 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A (Hons).

This unit is a continuation of MSTD4241 and entails research and development of a coherent body of studio work leading to exhibition and final assessment. Regular meetings with the student's supervisor provide advice and feedback.

## MSTD7111

### Ceramics Elective Introductory Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Jan Guy **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 60 hours. **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Introductory unit in Ceramics provides a studio-based approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a project-based curriculum, addressing concepts, methodologies and technologies integral to ceramic practice.

In this unit students will:

- learn the basics of ceramics construction, surface-finishing and firing techniques; engage with experimental approaches to problem solving;
- develop an awareness of possibilities available to practitioners;
- develop a capacity to express personal aesthetic solutions; and
- understand and apply Occupational Health and Safety procedures to studio practice.

#### Textbooks

Dormer P. The New Ceramics: Trends and Traditions.  
Peterson S. The Craft and Art of Clay: A Complete Potter's Handbook.

## MSTD7121

### Ceramics Elective Intermediate Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Jan Guy **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus

self-directed study; total student effort of 60 hours. **Prerequisites:** MSTD7111  
**Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Intermediate unit in Ceramics builds on and enhances information and skills provided in the Introductory unit. The unit provides a studio-based approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a project-based curriculum, addressing concepts, methodologies and technologies integral to ceramic practice.

In this unit students will:

- enhance ceramics construction skills, surface-finishing and firing techniques;
- engage with experimental approaches to problem solving;
- build an awareness of contemporary practices in ceramics;
- develop their capacity for personal aesthetic solutions; and
- understand and apply Occupational Health and Safety procedures to studio practice.

#### Textbooks

Dormer P. The New Ceramics: Trends and Traditions.  
Peterson S. The Craft and Art of Clay: A Complete Potter's Handbook.  
Rhodes D. Clay and Glazes for the Potter.  
Hamer F. The Potter's Dictionary of Materials and Techniques.  
Journals  
Ceramics: Art and Perception.  
Pottery in Australia.  
Studio Potter.  
Object.

## MSTD7311

### Jewellery & Object Elective Introductory Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3 hours of contact and a minimum 3 hours of independent study. **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Introductory elective provides a studio-based approach to the production of creative work. Throughout the semester students will follow a project-based curriculum, addressing concepts, methodologies and technologies integral to contemporary jewellery and object of human scale.

Thematic approaches will be supported by technical introductions to encourage exploration with jewellery and design methodologies. The elective provides for the development and enhancement of critical skills through group and individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects.

#### Textbooks

Refer to Studio Reading List.

## MSTD7321

### Jewellery & Object Elective Intermediate Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3 hours of contact and a minimum 3 hours of independent study. **Prerequisites:** MSTD7311  
**Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Intermediate elective unit in Jewellery and Object provides a studio-based approach to the production of creative work. Throughout

the semester students will, in consultation with an academic staff member, follow a self-directed curriculum, addressing concepts, methodologies and technologies integral to a student's personal concerns. Students' thematic approaches will be supported by technical methodologies appropriate to the self-directed projects. The elective provides for the development and enhancement of critical skills through group and individual tutorials and critiques. Students are expected to produce a body of work for review at regular intervals during the semester. Work from the semester is to be presented for assessment in Week 15.

#### MSTD7411

##### Painting Elective Introductory Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3 hours of contact and a minimum 3 hours of independent study. **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Introductory Elective provides a studio-based approach to the production of creative work. Throughout the semester students will follow a project-based curriculum, addressing concepts, methodologies and technologies integral to contemporary painting. Thematic approaches will be supported by technical introductions to encourage exploration with painting methodologies. The elective provides for the development and enhancement of critical skills through group and individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects.

*Textbooks*

Refer to Studio Reading List.

#### MSTD7421

##### Painting Elective Intermediate Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3 hours of contact and a minimum 3 hours of independent study. **Prerequisites:** MSTD7411 **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Introductory Elective provides a studio-based approach to the production of creative work. Throughout the semester students will follow a project-based curriculum, addressing concepts, methodologies and technologies integral to contemporary painting. Thematic approaches will be supported by technical introductions to encourage exploration with painting methodologies. The elective provides for the development and enhancement of critical skills through group and individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects.

*Textbooks*

Refer to Studio Reading List.

#### MSTD7511

##### Printmedia Elective Introductory Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3 hours of contact through a structured, weekly class. **Assessment:** Assessment is progressive throughout the semester, taking into consideration attendance at scheduled classes and the meeting of deadlines and any other requirements that may be set. Assessable work at the end of the semester comes from projects emanating from the assignment program. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The aim of this unit is to introduce students to critical, conceptual and technical skills in printmedia. Thematic approaches will be supported by technical introductions to encourage exploration with Printmedia methodologies. The elective provides for the development and enhancement of critical skills through group and individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects.

Areas of Investigation: digital prints; etching; and screen prints.

*Textbooks*

Refer to Studio Reading List.

#### MSTD7521

##### Printmedia Elective Intermediate Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3 hours of contact and a minimum 3 hours of independent study. **Prerequisites:** MSTD7511 **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Intermediate Elective unit in Printmedia provides a studio-based approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a self-directed curriculum, addressing concepts, methodologies and technologies integral to a student's personal concerns. Students' thematic approaches will be supported by technical methodologies appropriate to the self-directed projects. The elective provides for the development and enhancement of critical skills through group and individual tutorials and critiques. Students are expected to produce a body of work for review at regular intervals during the semester.

*Textbooks*

Refer to Studio Reading List.

#### MSTD7611

##### Sculpture Elective Introductory Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 2 hours of contact and a minimum 2 hours of independent study. **Assessment:** Students produce a body of work for review at regular intervals during the semester. Assessment is continuous and culminates with an end-of-semester assessment when all works are presented for review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Introductory Elective unit in Sculpture provides a studio-based approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a project-based curriculum, addressing concepts, methodologies and technologies integral to contemporary Sculpture. Individual and/or collaborative, studio-based projects will be supported by technical demonstrations and workshops. These assist students to develop competence with a range of sculptural methodologies. The elective provides for the development and enhancement of critical skills through group and individual tutorials and critiques.

*Textbooks*

Refer to Studio Reading List.

#### MSTD7621

##### Sculpture Elective Intermediate Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 2 hours of contact and a minimum 2 hours of independent study. **Prerequisites:** MSTD7611 **Assessment:** Students produce a body of work for review at regular intervals during the semester. Assessment is continuous and culminates with an end-of-semester assessment when all works are presented for review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Intermediate Elective unit in Sculpture provides a studio-based approach to the production of creative work. At the beginning of the semester each student develops an individual work proposal in consultation with an academic staff member. This proposal forms the basis of a self-directed curriculum addressing the concepts, methodologies and technologies integral to the individual student's developing art practice. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual and creative aspects of a student's studio work. The elective provides for the development and enhancement of critical skills through group and individual tutorials and critiques.

*Textbooks*

Refer to Studio Reading List.

### MSTD7711

#### Photomedia Elective Introductory Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 2 hours of contact and a minimum 2 hours of independent study. **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Introductory Elective provides a studio-based approach to the production of creative work. Throughout the semester students will follow a project-based curriculum, addressing concepts, methodologies and technologies integral to contemporary Photomedia. Thematic approaches will be supported by technical introductions to encourage exploration with Photomedia methodologies. The elective provides for the development and enhancement of critical skills through group and individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects.

*Textbooks*

Refer to Studio Reading List.

### MSTD7721

#### Photomedia Elective Intermediate Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 2 hours of contact and a minimum 2 hours of independent study. **Prerequisites:** MSTD7711 **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Introductory Elective provides a studio-based approach to the production of self-directed creative work. Throughout the semester students will follow a project-based curriculum, addressing concepts, methodologies and technologies integral to contemporary Photomedia. The elective provides for the enhancement of critical skills through group and individual tutorials and critiques and the further development of technical skills appropriate to the self-directed projects.

*Textbooks*

Refer to Studio Reading List.

### MSTD7811

#### Film & Digital Art Elective Introductory Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3 hours of contact and a minimum 3 hours of independent study. **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Introductory Elective provides a studio-based approach to the production of creative work. Throughout the semester students will follow a project-based curriculum, addressing concepts, methodologies and technologies integral to contemporary Film and Digital Art. Thematic approaches will be supported by technical introductions to encourage exploration with Film and Digital Art methodologies. The elective provides for the development and enhancement of critical skills through group and individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects.

*Textbooks*

Refer to Studio Reading List.

### MSTD7821

#### Film & Digital Art Elective Intermediate Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3 hours of contact and a minimum 3 hours of independent study. **Prerequisites:** MSTD7811 **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Intermediate Elective unit in Film and Digital Art provides a studio-based approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a self-directed curriculum addressing concepts, methodologies and technologies integral to a student's personal concerns. Students' thematic approaches will be supported by technical methodologies appropriate to the self-directed projects. The elective provides for the development and enhancement of critical skills through group and individual tutorials and critiques. Students are expected to produce a body of work for review at regular intervals during the semester. Work from the semester is to be presented for assessment in Week 15.

*Textbooks*

Refer to Studio Reading List.

### MSTD7911

#### Digital Visualisation Introductory Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 2 hours of contact and a minimum 3 hours of independent study. **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Introductory Elective unit in Digital Visualisation equips students with the skills and knowledge to create and develop concepts, ideas and projects, both technologically and theoretically informed. Computers and other digital technologies will be used to develop these ideas and virtual objects, with the intention that they be taken into the studio for further development, eventually to become realised as art objects. Throughout the semester students will, in consultation with an academic staff member, follow a project-based curriculum, addressing concepts, methodologies and technologies integral to digital visualisation. The elective provides for: the development and enhancement of critical skills through group and individual tutorials and critiques; and acquisition of technical skills appropriate to the assigned projects. Students are expected to produce a body of work for review at regular intervals during the semester. Work from all assigned projects is to be presented for assessment in Week 14.

*Textbooks*

Refer to Studio Reading List.

**MSTD7921****Digital Visualisation Intermediate  
Sydney College of the Arts**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 2 hours of contact and a minimum 3 hours of independent study. **Prerequisites:** MSTD7911 **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Intermediate Elective unit in Digital Visualisation provides a digital visualisation approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a project-based curriculum, addressing concepts, methodologies and technologies integral to digital visualisation. Thematic approaches will be supported by technical introductions to encourage exploration with visualisation methodologies. The elective provides for: the development and enhancement of critical skills through group and individual tutorials and critiques; and acquisition of technical skills appropriate to the assigned projects. Students are expected to produce a body of work for review at regular intervals during the semester. Work from all assigned projects is to be presented for assessment in Week 14.

*Textbooks*

Refer to Studio Reading List.

**MSTD8111****Ceramics Elective Advanced  
Sydney College of the Arts**

**Credit points:** 3 **Teacher/Coordinator:** Jan Guy **Session:** Semester 1, Semester 2 **Classes:** Lecturer and directed contact over 12 weeks, plus self-directed study; total student effort of 60 hours. **Prerequisites:** MSTD7121 **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Advanced unit in Ceramics builds on and enhances information and skills provided in the Introductory unit. The unit provides a studio-based approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a project-based curriculum, addressing concepts, methodologies and technologies integral to ceramic practice.

In this unit students will:

- enhance ceramics construction skills, surface-finishing and firing techniques;
- engage with experimental approaches to problem solving;
- build an awareness of contemporary practices in ceramics;
- develop their capacity for personal aesthetic solutions; and
- understand and apply Occupational Health and Safety procedures to studio practice.

*Textbooks*

Dormer P. The New Ceramics: Trends and Traditions.  
Peterson S. The Craft and Art of Clay: A Complete Potter's Handbook.  
Rhodes D. Clay and Glazes for the Potter.  
Hamer F. The Potter's Dictionary of Materials and Techniques.  
Journals  
Ceramics: Art and Perception.  
Pottery in Australia.  
Studio Potter.  
Object.

**MSTD8131****Jewellery & Object Elective Advanced  
Sydney College of the Arts**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3 hours of contact and a minimum 3 hours of independent study. **Prerequisites:** MSTD7321 **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information

refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Advanced elective unit in Jewellery and Object provides a studio-based approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a self-directed curriculum, addressing concepts, methodologies and technologies integral to a student's personal concerns. Students' thematic approaches will be supported by technical methodologies appropriate to the self-directed projects. The elective provides for the development and enhancement of critical skills through group and individual tutorials and critiques. Students are expected to produce a body of work for review at regular intervals during the semester. Work from the semester is to be presented for assessment in Week 15.

*Textbooks*

Refer to Studio Reading List.

**MSTD8141****Painting Elective Advanced  
Sydney College of the Arts**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3 hours of contact and a minimum 3 hours of independent study. **Prerequisites:** MSTD7421 **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Advanced Elective unit in Drawing provides a studio-based approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a self-directed curriculum, addressing concepts, methodologies and technologies integral to a student's personal concerns. Thematic approaches will be supported by technical methodologies appropriate to the self-directed projects. The elective provides for the development and enhancement of critical skills through group and individual tutorials and critiques. Students are expected to produce a body of work for review at regular intervals during the semester. Work from the semester is to be presented for assessment in Week 15.

*Textbooks*

*Textbooks*

Refer to Studio Reading List.

**MSTD8151****Printmedia Elective Advanced  
Sydney College of the Arts**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3 hours of contact and a minimum 3 hours of independent study. **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Advanced Elective unit in Printmedia provides a studio-based approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a self-directed curriculum, addressing concepts, methodologies and technologies integral to a student's personal concerns. Students' thematic approaches will be supported by technical methodologies appropriate to the self-directed projects. The elective provides for the development and enhancement of critical skills through group and individual tutorials and critiques. Students are expected to produce a body of work for review at regular intervals during the semester.

*Textbooks*

Refer to Studio Reading List.

### MSTD8161

#### Sculpture Elective Advanced Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 2 hours of contact and a minimum 2 hours of independent study. **Prerequisites:** MSTD7621 **Assessment:** Students produce a body of work for review at regular intervals during the semester. Assessment is continuous and culminates with an end-of-semester assessment when all works are presented for review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Advanced Elective unit in Sculpture provides a studio-based approach to the production of creative work. At the beginning of the semester each student develops an individual work proposal in consultation with an academic staff member. This proposal forms the basis of a self-directed curriculum addressing the concepts, methodologies and technologies integral to the individual student's developing art practice. Each student's creative development will be supported by access to academic staff consultations. These consultations focus on the conceptual and creative aspects of a student's studio work. The elective provides for the development and enhancement of critical skills through group and individual tutorials and critiques.

*Textbooks*

Refer to Studio Reading List.

### MSTD8171

#### Photomedia Elective Advanced Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 2 hours of contact and a minimum 2 hours of independent study. **Prerequisites:** MSTD7721 **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Advanced Elective provides a studio-based approach to the production of self-directed creative work. Throughout the semester students will follow a project-based curriculum, addressing concepts, methodologies and technologies integral to contemporary Photomedia. The elective provides for the further development and enhancement of critical and conceptual skills through group and individual tutorials and critiques and the acquisition of technical skills appropriate to the assigned projects.

*Textbooks*

Refer to Studio Reading List.

### MSTD8181

#### Film & Digital Art Elective Advanced Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3 hours of contact and a minimum 3 hours of independent study. **Prerequisites:** MSTD7821 **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Advanced Elective unit in Film and Digital Art provides a studio-based approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a self-directed curriculum, addressing concepts, methodologies and technologies integral to a student's personal concerns. Students' thematic approaches will be supported by technical methodologies appropriate to the self-directed projects. The elective provides for the development and enhancement of critical skills through group and individual tutorials and critiques. Students

are expected to produce a body of work for review at regular intervals during the semester. Work from the semester is to be presented for assessment in Week 15.

*Textbooks*

Refer to Studio Reading List.

### MSTD8191

#### Digital Visualisation Advanced Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 2 hours of contact and a minimum 3 hours of independent study. **Prerequisites:** MSTD7921 **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The Advanced Elective unit in Digital Visualisation provides a digital visualisation approach to the production of creative work. Throughout the semester students will, in consultation with an academic staff member, follow a project-based curriculum, addressing concepts, methodologies and technologies integral to digital visualization. Thematic approaches will be supported by technical introductions to encourage exploration with visualisation methodologies. The elective provides for: the development and enhancement of critical skills through group and individual tutorials and critiques; and acquisition of technical skills appropriate to the assigned projects. Students are expected to produce a body of work for review at regular intervals during the semester. Work from all assigned projects is to be presented for assessment in Week 14.

*Textbooks*

Refer to Studio Reading List.

### MTRX1701

#### Mechatronics Engineering Introductory Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** (1hr lec, 1hr tut, 3hrs workshop) per week **Prohibitions:** AERO1560, MECH1560 **Assessment:** Assignments, major assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E.

This unit of study aims to introduce students to the fundamental principals that underlie the study of Mechatronic Engineering. Students will appreciate the fundamental components that make up a Mechatronic system, including actuators, sensors, electronic and computing systems. This course lays the foundation for later studies, including advanced Mechatronic Engineering, computing, control and system design courses.

At the end of this unit students should be able to: understand the general principles involved in computer controlled machinery; apply a systematic approach to the design process for Mechatronic systems; analyze and formulate requirements for a Mechatronic system based on a specification; demonstrate a basic understanding of system modelling and approaches to control; understand the practical application of mechatronic systems in applications such as manufacturing, automobile systems and robotics; develop the capacity to think creatively and independently about new design problems; undertake independent research and analysis and to think creatively about engineering problems.

Course content will include introduction to; system modelling and control; design process; actuators; sensors; computers - hardware; computers - software; advanced topics.

### MTRX1702

#### Mechatronics 1 Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (2hrs lec and two 2hr labs) per week. **Prohibitions:** ELEC1101 Foundations of Computer Systems, MECH1802 C Programming, COSC1902 Computational Science in C (Adv), COSC1002 Computational Science in C **Assessment:** Assignments, quizzes,



examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E.

This unit aims to provide: an introduction to the analysis and design of digital logic circuits; a foundation for the study of systems and embedded programming for the degree in Mechatronic Engineering.

Course content will include: Introductory Digital Systems 3 CR: Number systems and codes; Logic gates and Boolean algebra, universal (nand) logic gates; Digital arithmetic: operations and circuits, Two's complement addition and subtraction, overflow; Combinational logic circuits; Flip-flops and related devices; Counters and registers, shift register applications; sequential circuits, designs of synchronous, cascaded counters (BCD and binary). Integrated circuit logic families and interfacing; practical issues including, fan out, pull-up/down, grounds, power supplies and decoupling; timing issues, race conditions. Tri-state signals and buses; MSI logic circuits, multiplexers, demultiplexers, decoders, magnitude comparators; Introduction to programmable logic devices. The unit of study will include a practical component where students design and implement logic circuits. Purchase of a basic laboratory kit as described in classes will be required. Introductory Software Engineering (3 Cr): This unit of study provides an introduction to software design, implementation, debugging and testing in the context of C programming language. Problem definition and decomposition; the design process; designing for testing and defensive coding methods; modular code structure and abstract data types; best practice in programming. Preprocessor, tokens, storage classes and types. Arithmetic, relational and bit manipulation operators. Constructs for control flow: if, switch, for, do and while. Arrays. Pointers and character strings. Dynamic memory. Functions and parameter passing. Derived storage classes: structures and unions. File I/O.

#### Textbooks

Wakerly, Introduction to Digital Design, 3ed., Prentice-Hall, 2000.

Library Classification: 621.3819, 621.39

#### Reference Books

Kernighan & Ritchie The C Programming Language 2nd ed (Prentice Hall, 1988)

Deitel & Deitel, C How to Program, 3ed, Prentice-Hall, 2001

### MTRX2700

#### Mechatronics 2

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3hrs lec and 3hr lab per week. **Prerequisites:** MECH1760 or MTRX1702 or (MECH1701 and MECH1702) **Prohibitions:** ELEC2601 **Assessment:** Lab assignments, major assignment, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to teach the fundamental principles of microcontroller system design. This involves a thorough understanding of the interaction between hardware and software at the assembly language level, and of interfacing to external devices. The course will focus each year on a particular microcontroller which is widely used in industry. The unit will introduce students to microprocessor and microcomputer systems, emphasising assembly language programming and building on the digital logic foundations from first year. In particular, the following subjects are addressed: Introduction to microprocessors, stored-program computer architecture, instruction codes and addressing modes, instruction execution cycle; Memory devices; Computer architecture and assembly language programming; Microprocessor and microcontroller systems, memory and IO interfacing, interrupts and interrupt handling; Serial and parallel communications; Systems design, documentation, implementation, debugging and testing.

At the end of this unit students should achieve the following aims: Gain an intimate understanding of the way in which microcontrollers operate; Understand the relationship between the software and hardware used in a Mechatronic system; Learn concepts useful in the design and implementation of simple Mechatronic systems; Apply their knowledge to implement a simple Mechatronic system given a design specification.

### MTRX3700

#### Mechatronics 3

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 2 **Classes:** (2hrs lec and one 3hr lab) per week **Prerequisites:** MECH2701 or MTRX2700 **Prohibitions:** MECH4710 **Assessment:** Group work, presentation, project, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to provide experience, confidence and competence in the design and implementation of microprocessor-based products and instruments; to impart a detailed knowledge of the software and hardware architecture of a typical modern microcontroller, and an understanding of the use of these resources in product design; and to provide experience of working in a project team to prototype a realistic product to meet a specification.

At the end of this unit students will understand microprocessor system organization, and the organization of multiple and distributed processor systems, special purpose architectures (DSPs etc) and their application. The student will have a detailed knowledge of the software and hardware architecture of a modern microcontroller. This knowledge will include an in-depth understanding of the relationship between assembly language, high-level language, and the hardware, of the utilisation and interfacing of microcontroller hardware resources, and of the design and development of software comprised of multiple interrupt-driven processes. The student will have the competence to develop prototype microprocessor-based products.

Course content will include single processor systems, multiple and distributed processing systems, special purpose architectures (DSPs etc) and their application; standard interfacing of sensor and actuation systems; ADC/DAC, SSI, parallel, CAN bus etc.; specific requirements for microprocessor-based products; problem definition and system design; tools for design, development and testing of prototype systems; the unit of study will include a project, where groups of students design, develop and commission a microprocessor-based product.

### MTRX4700

#### Experimental Robotics

##### Engineering and Information Technologies

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2hrs lec and 3hrs lab) per week. **Prerequisites:** AMME3500 or (MECH3500 and MECH3800); MTRX3700 or MECH3700 **Assessment:** Lab experiments, examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E, UG Study Abroad Program.

This unit aims to present a broad overview of the technologies associated with industrial and mobile robots. Major topics covered are sensing, mapping, navigation and control of mobile robots and kinematics and control of industrial robots. The subject consists of a series of lectures on robot fundamentals and case studies on practical robot systems. Material covered in lectures is illustrated through experimental laboratory assignments. The objective of the course is to provide students with the essential skills necessary to be able to develop robotic systems for practical applications.

At the end of this unit students will: be familiar with sensor technologies relevant to robotic systems; understand conventions used in robot kinematics and dynamics; understand the dynamics of mobile robotic systems and how they are modeled; have implemented navigation, sensing and control algorithms on a practical robotic system; apply a systematic approach to the design process for robotic systems; understand the practical application of robotic systems in applications such as manufacturing, automobile systems and assembly systems; develop the capacity to think creatively and independently about new design problems; undertake independent research and analysis and to think creatively about engineering problems.

Course content will include: history and philosophy of robotics; hardware components and subsystems; robot kinematics and dynamics; sensors, measurements and perception; robotic architectures, multiple robot systems; localization, navigation and obstacle avoidance, robot planning; robot learning; robot vision and vision processing.

**MUED1001****Composition Studies****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathryn Marsh **Session:** Semester 1 **Classes:** 2hr workshop/wk **Assessment:** Composition for small ensemble 60%; design & assessment of composition tasks (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

In this unit of study, students will gain an understanding of the nature of the creative process and how it might be taught. Australian compositions of the last 25 years will be examined, and these will serve as a model for the student's own compositional explorations. Work to be completed will be for instruments and/or voices available in the seminar groups, and will include documentation and evaluation of the processes of composition. In the last weeks, the unit will focus on assessment. Students will compose short pieces either individually or in small groups appropriate to the school level and targeted task design. Links with aural skills and musicology will be included. Pieces will be performed and assessment possibilities will be explored in seminars. The emphasis will be on learning assessment conventions through participation and exploration of practical solutions.

**MUED1002****Music Technology****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Anthony Hood **Session:** Semester 1, Semester 2 **Classes:** 1 hr lecture and 1hr lab/studio/wk **Assumed knowledge:** Basic computer skills. **Assessment:** Music Technology Project (60%); Recording Fundamentals (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit aims to develop a good understanding of concepts relating to music technology fundamentals, skills in using music software and hardware, and confidence in problem-solving. Students will be introduced to a range of audiovisual technologies through lectures, the website and a series of practical tasks. Students will gain a basic proficiency in sound recording, with a focus on the newer portable devices, sound editing and mixing, and an understanding of digital sound formats and PA systems. There will be an overview of software for notation / theory / aural training / sequencing, and students will have the opportunity to make a small web site that incorporates audio/video content.

**MUED1004****Non Western Music****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathryn Marsh **Session:** Semester 1 **Classes:** 2hr workshop/wk **Assessment:** Attendance at all sessions; performance; regular submission of written reports; major assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies(Hons), B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

An important expectation of all music educators is the ability to teach from a perspective which acknowledges the cultural dimensions of music. To encourage the development of this perspective, this unit provides students with the opportunity to study a musical culture through direct experience of it, and to analyse the implications for teaching and learning that this presents. Issues dealing with methodologies of teaching, learning and research; ethical considerations; and the availability and applications of resources are covered in the unit.

**MUED1006****Significant Methods****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathryn Marsh **Session:** Semester 1 **Classes:** 2 hr workshop/wk **Assessment:** Written assignment; design of

learning experiences which demonstrate an understanding of relevant method(s) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

This unit will provide students with an opportunity to develop knowledge of, and teaching skills relating to significant music education methods. Students will focus on a number of internationally recognised approaches to teaching music, including those developed by Dalcroze, Kodaly and Orff, as well as more recent innovations from the 20th and 21st centuries. Students will participate in learning experiences which develop their musical knowledge and are suitable for application to a variety of teaching situations, especially classroom teaching.

**MUED2002****Junior Secondary Music Education****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Dr Michael Webb **Session:** Semester 2 **Classes:** 2hr workshop/wk **Prerequisites:** MUED4999 Pre-secondary Music **Corequisites:** MUED3002 Practicum 2 **Assessment:** Unit of work (45%), evaluative report (30%), seminar (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** UG Study Abroad Program.

In this unit students study music education in junior secondary schools. This includes: i. examination of current syllabuses; ii. experience and analysis of strategies for teaching musical skills and understandings; iii. the role of creativity in music teaching and learning; iv. musical concepts and processes and their significance to music education; v. resource selection and development.

**MUED2605****Children, Music and Educational Settings****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathy Marsh **Session:** Semester 2 **Classes:** 2 hours seminar per week + 6 half days and 14 full days practice teaching in schools **Assumed knowledge:** It is strongly recommended that students have completed MUED1006 Significant Methods and GENS1000 Introduction to Teaching **Assessment:** Annotated bibliography and syllabus discussion; planning, teaching and evaluating of music experiences; assessment of teaching competence in relation to stipulated criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

This unit develops the knowledge and skills fundamental to the planning, teaching and evaluation of effective music learning experiences for children in the primary school. Students will participate in a range of practical activities in order to acquire a repertoire of developmentally appropriate music experiences for teaching and learning in K-6 settings. Students will become familiar with the approaches of current music and creative arts curriculum documents and resources, and will plan and implement sequential music experiences which facilitate the children's development of musical creativity, skills and concepts and which incorporate cultural diversity. This unit incorporates practical teaching experience in primary schools.

**MUED3000****Choral Pedagogy****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Dr Neil McEwan **Session:** Semester 1 **Classes:** 2hrs/wk **Assessment:** Composition/arrangement for available resources (40%), preparation and conducting of score (30%), assignment (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

This unit uses theory and practice to develop skills in choir training. There will be treatment of specific techniques in the areas of voice production, rehearsal skills and conducting. The various aspects of planning and structuring a rehearsal will be dealt with as separate components. Topics will include voice types, psychology of singing, conducting styles, choral balance and repertoire. Choral repertoire chosen will represent varying music styles.

**MUED3002****Practicum 2****Sydney Conservatorium of Music**

**Credit points:** 12 **Teacher/Coordinator:** Dr Sharon Tindall-Ford **Session:** Semester 2 **Classes:** 7wk block beginning in Week 5 of the semester. **Prerequisites:** MUED2005 Practicum 1 **Corequisites:** MUED2002 Junior Secondary Music Education, GENS2001 Education 4 **Assessment:** Fulfillment of criteria in Practicum Handbook **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), UG Study Abroad Program.

This first secondary practicum is a seven-week block which takes place from Week 5 of Semester 2, Year 3 of the award. The main purposes of the practicum are that students develop the ability to plan and teach lessons to year 7-10 classes and acquire an understanding of the developing adolescent. Details of this unit are contained in the Conservatorium Practicum Handbook. For further information contact the Practicum Coordinator.

**MUED3004****Senior Secondary Music Education****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Dr Peter Dunbar-Hall **Session:** Semester 2 **Classes:** 2hr workshop/week **Prerequisites:** MUED2002 Junior Secondary Music Education **Corequisites:** MUED4003 Practicum 3 **Assessment:** Seminar presentation, assignment. The major assignment will be based on Practicum 3 experience (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** UG Study Abroad Program.

In this unit students investigate the principles of music teaching and learning at the senior secondary level. Topics include: i) music needs and interests of senior students, ii) techniques for teaching and assessing composition, iii) developing student skills in aural perception and performance, iv) methods for teaching musicological understanding, v) analytical techniques suitable for a range of musical styles, vi) curriculum documents and vii) methods of evaluation and assessment.

**MUED3031****Survey of Jazz History****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1 **Classes:** 1 hr lecture, 1 hour workshop **Assessment:** Listening exam (20%); Lead sheet (20%); live jazz gig report (20%); teaching & learning sequence (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is not available for Jazz Performance major students.*

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

This unit of study provides students with an overview of the development of jazz from its earliest stages to the present. The approach will be one of analysis of stylistic characteristics of the different types of jazz. It is especially designed for students in the BMus(MusEd) degree program for whom it is a core requirement, but is also available to students in other degree programs (apart from Jazz Performance major students). Lecture material will be supplemented by practical workshops involving performance and introduction to improvisation, and soloing techniques.

**MUED3602****Teaching Music: Junior Secondary School****Sydney Conservatorium of Music**

**Credit points:** 12 **Teacher/Coordinator:** Dr Michael Webb **Session:** Semester 2 **Classes:** 12 three hour lecture/seminar sessions and professional experience of 5 single days plus a 4-week block in schools **Prerequisites:** MUED2605 Children, Music & Educational settings **Assessment:** Written discussion of set readings and ideas and principles covered in Unit of Study sessions; development of a classroom management plan; the design and submission of a junior secondary music teaching and learning sequence incorporating the use of technology; and the delivery before peers of a lesson developed according to prescribed teaching and learning principles **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

This Unit of Study prepares students for careers in secondary music teaching. Current junior secondary syllabus documents are analysed, pedagogical theories are examined and practical strategies for teaching group listening, performance, creative and musicological skills and understandings are explored. Areas addressed include lesson planning, programming, classroom management, and resource selection and development. Technology and media issues related to music education are also considered. All of these components are studied in the broader context of creating and sustaining a challenging classroom learning environment.

**MUED3603****Composition in Music Education****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Anthony Hood **Session:** Semester 1 **Classes:** 2 hour workshop/week **Prerequisites:** MUED1002 Music Technology **Assessment:** Composition (50%), design of composition task (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

This unit of study will examine the teaching and learning of composition in NSW secondary schools. Through the completion of small composition exercises, particularly using recent Australian compositions as a model, students will develop strategies to successfully integrate composition in their teaching. Students will survey sampling, sequencing and notation software, develop skills in software evaluation, and will discuss how technology might enhance the teaching and learning of composition. Assessment strategies will be considered.

**MUED3604****Ensemble Pedagogy****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Webb **Session:** Semester 2 **Classes:** 3 hours lectures per week **Assessment:** Submission of simple arrangement in short score of two pieces of music, for choral and for mixed instrumental ensemble; submission of original composition or arrangement in detailed full score using notation software; planning and conducting of rehearsal session; submission of written rehearsal plan and written self-evaluation based on video of session. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies(Hons), B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Choral and/or instrumental ensemble programs are a significant component of school music education and commonly involve the music teacher in various musical roles in addition to those of co-ordinator and/or administrator. This Unit of Study is creative and practical in nature and provides students with both a general understanding of the fundamental components of school choral and instrumental work and a more detailed understanding of how to establish, maintain and sustain successful school choral and instrumental music programs. Key pedagogical issues are considered and relevant skills are practised, including creating scores and leading and conducting rehearsals.

**MUED3629****Honours: Research in Music Education 1****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathy Marsh **Session:** Semester 1 **Classes:** 2 hour seminar per week **Assessment:** Bibliography and review of literature; preliminary research proposal. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit is commenced in the third year of the degree program and enrolment is subject to approval of the Chair of Unit and Undergraduate Studies Committee.*

**Associated degrees:** B Mus (Mus Ed).

The aims of this unit of study are to develop an understanding of music education research processes, and to identify research methods suitable for individual students' research topics. It examines a range of music education research paradigms which can broadly be categorised as qualitative and quantitative and introduces students

to related research procedures. Readings and seminar activities are designed to facilitate students' critical analysis of research in terms of the relevant research methodologies. Students will also develop strategies for locating and reviewing literature pertaining to their fields of research interest. As an outcome of this unit, students will submit a preliminary literature review and preliminary research proposal.

### MUED3630

#### Honours: Research in Music Education 2 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Marsh **Session:** Semester 2 **Classes:** 2 hour seminar per week or 1 hour individual consultation per week during part of the course. **Prerequisites:** MUED3629 Honours: Research in Music Education 1 **Assessment:** Initial thesis chapters; ethics documentation. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

This unit of study consolidates and extends skills acquired in Honours: Research in Music Education 1. It broadens students' knowledge of a variety of research methods, concepts and research designs which are useful in answering empirical research questions. Evolving skills will be extended through practical tasks in which students examine and apply a range of qualitative and quantitative data analysis procedures. Through ongoing reading and critical evaluation of related research literature, students will prepare a research proposal for implementation in the final semester of the Honours program. This will be documented in the form of the first three chapters of a thesis. Ethical issues in music education research are an adjunct area of study and students will submit all documentation required for ethics approval of their proposed research. Students will participate in seminars and individual consultation sessions.

### MUED4000

#### Instrumental Pedagogy Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Michael Webb **Session:** Semester 1 **Classes:** 2hr workshop/wk **Assessment:** Composition (30%), rehearsal/conducting techniques (30%), arrangement (20%), seminar presentation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus.

This unit provides students with opportunities to: i. develop knowledge of the conventions of scoring and notating music for instrumental ensembles; ii. study and apply conducting techniques; iii. learn and refine baton technique; iv. compose or arrange a piece of music for an available ensemble; v. observe, plan and run instrumental rehearsals; vi. examine the role of instrumental ensembles in music education.

### MUED4002

#### Technology in Music Education Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Anthony Hood **Session:** Semester 2 **Classes:** 24 hours/semester delivered as two 2hr seminars for 6 weeks. **Prerequisites:** MUED1002 Music Technology 1 **Assessment:** Preparation of teaching resource integrating technology (50%), essay (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus, UG Study Abroad Program.

The unit will examine possibilities offered by technology in the music classroom. There will be an examination of how technology can enhance the learning of composition, musicology and performance, and management of students within the computer and keyboard labs will be discussed. Students will work with digital video, learn about various sound file formats, including those used for streaming audio over the internet, and use different digital storage media. The creative possibilities of sampling and the manipulation of sound files on a computer will be explored in a number of software environments. In the studio, the focus will be on the process of making a quality recording of an instrumentalist or ensemble.

### MUED4003

#### Practicum 3 Sydney Conservatorium of Music

**Credit points:** 12 **Teacher/Coordinator:** Dr Sharon Tindall-Ford **Session:** Semester 1, Semester 2 **Classes:** 7wk block beginning in Week 5 of the semester. **Prerequisites:** MUED3002 Practicum 2 or GENS3002 Practicum 2 **Corequisites:** MUED3004 Senior Secondary Music Education, GENS4001 Education 7: Individual Differences **Assessment:** Fulfillment of criteria in Practicum Handbook. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

*Note: NB: This unit is only available in semester 1 if the student has finished all other units.*

**Associated degrees:** B Mus (Mus Ed), UG Study Abroad Program.

This second secondary practicum is a seven-week block which takes place from Week 5 of Semester 2 in the fourth year of the degree. Students will be required initially to teach twelve music periods a week. Some of these periods should be on senior secondary classes. Towards the end of the practicum, it would be expected that, on two days a week, the student would be responsible for a teacher's full day program. Details of this Unit are contained in the Conservatorium Practicum Handbook or for further information contact the Practicum Coordinator.

### MUED4004

#### Multicultural Studies in Music Education Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathy Marsh **Session:** Semester 1 **Classes:** 2hr seminar/wk **Assessment:** Readings assignment, fieldwork assignment and seminar presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus Studies, Dip Mus.

This unit prepares students to teach music in a multicultural society. Music of a range of cultures is investigated and techniques are given for transforming these findings into strategies for music education. Provision is made for the collection, evaluation and development of music resources for use in multicultural music education. Culture-specific learning processes are examined, and music is studied in relation to its structure and its cultural context.

### MUED4006

#### Popular Music Studies Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathryn Marsh **Session:** Semester 1 **Classes:** 2hr workshop/wk **Assessment:** Presentation (30%), reports (25%), assignment (45%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

The purpose of this unit is to examine methods for teaching popular music. This includes study of relevant literature, investigation of the place of popular music in music education, analysis methods suitable for popular music, composition and performance of popular music, and technology aspects of popular music studies.

### MUED4012

#### Music Education Hons 3: Special Study 1 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** James Renwick **Session:** Semester 1 **Classes:** 30 min supervision/wk; group seminars **Prerequisites:** MUED3030 Music Education Honours 2 Research Methods 2 **Assessment:** Draft of first three thesis chapters; oral presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

In this unit students work individually on their Special Study research topic, each under the supervision of a designated supervisor. The focus of research during this semester should be data collection and expansion of the literature review and methodology. To ensure continued progress, students are required to give an oral presentation on their topics and to complete a draft of the first three chapters of their Special Study Report (including an outline of the topic and its

significance, a review of the relevant literature and discussion of the methodology).

### MUED4020

#### Music Education Hons 4: Special Study 2 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** James Renwick **Session:** Semester 2 **Classes:** 30 min supervision/wk; group seminars **Prerequisites:** MUED4012 Music Education Hons 3: Special Study 1 **Assessment:** 12,000 - 15,000 word written Special Study report (100%); oral presentation of Special Study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students continue work on their research projects under the individual supervision of Conservatorium staff. During this semester, data collection and analysis should be completed, leading to the submission of the research report by the end of the semester. Toward the end of the semester each student will make an oral presentation on the Special Study, discussing the results of the study and its implications.

### MUSC1501

#### Concepts of Music Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Winsome Evans **Session:** Semester 1 **Classes:** 2 hour lecture & 1 tutorial/wk **Prerequisites:** At least 67% in the NSW HSC Music 2 or 3-unit Music Extension or the equivalent skills as determined by the Chair of Unit **Prohibitions:** MUSC1503, MUSC1504 **Assessment:** Seven composition exercises (60%), two aural tests plus class work assessment in weekly aural tutorials (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: The Arts Music Unit holds a diagnostic test in the week before Semester 1 begins for those students who have not passed the prescribed HSC courses yet believe they have the equivalent aural and harmonic skills to attend Concepts of Music. Please phone the Unit for details by the end of February.*

**Associated degrees:** B A, B A, B Mus Studies, B Int S, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

Research-based analysis of fundamental compositional concepts in a wide range of Western and non-Western musical styles (classical, popular, traditional, etc.) in order to complete set exercises in musical composition, complemented by integrated aural tutorials. The course will focus on aspects of melody, harmony and rhythm. All exercises are to be presented in neat, hand-written notation in book format.

### MUSC1503

#### Fundamentals of Music I Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Matthew Hindson **Session:** Semester 1 **Classes:** 1 lecture and 2 tutorials (aural and written)/wk **Prohibitions:** MUSC1501 **Assessment:** Written and online music theory assessment (60%), aural assessment (30%), attendance and participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A, B Mus Studies, B Int S, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

An introduction to basic music literacy skills, including the ability to read and write music and an understanding of fundamental aspects of its structure and composition. The material covered in this course ranges from elementary skills such as the system of Western music notation through to more advanced skills such as melodic harmonization and dictation.

### MUSC1504

#### Fundamentals of Music II Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Matthew Hindson **Session:** Semester 2 **Classes:** 1 lecture and 2 tutorials (aural & written)/wk **Prohibitions:** MUSC1501 **Assumed knowledge:** Material covered in MUSC1503. Students interested in taking this course who have not completed MUSC1503 must see the lecturer beforehand to ascertain that they have the required knowledge. **Assessment:** Written and online music theory assessment (60%), aural assessment (30%), attendance and participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A, B Mus Studies, B Int S, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

A more advanced exploration of music literacy skills. The material covered in this course ranges from the broad to the specific: from an examination of musical elements and the way they are used in a variety of musical genres through to specific compositional aspects such as four-part writing or analysis of melodic writing in different musical cultures.

### MUSC1506

#### Music in Western Culture Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Professor Anne Boyd **Session:** Semester 1 **Classes:** 2 x 1hr lecture and 1 tut/wk **Assumed knowledge:** The ability to follow a musical score while listening to the music and some prior knowledge of elementary music theory. **Assessment:** Tutorial work (40%), 2000 word essay (40%), 60 minute exam (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A, B Mus Studies, B Int S, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

An historical study of Western music from the Classical Greeks to the present day focussing upon the problems of canon formation and the impact of music notation upon musical performance and composition throughout the ages. Analytical study of a number of works by major composers shows how musical meaning is constructed in relation to the development of tonality and other stylistic conventions.

### MUSC1507

#### Sounds, Screens, Speakers: Music & Media Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Charles Fairchild **Session:** Semester 2 **Classes:** 2hr lecture and 1 tut/wk **Assessment:** One 1,000 word assignment (30%); one 500 word assignment (20%); one 500 word tutorial test (10%); one 2,000 word assignment (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A, B Mus Studies, B Int S, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

Music has been dramatically shaped and reshaped by every major change in communications technology in the 20th century from vinyl discs to MP3s. In this unit of study we will analyse such issues as the ways in which the early recording industry transformed jazz, the blues and country music, how the presentation of music on radio and television changed how the music industry created new musical celebrities, and the challenges the music industry faces as digital technology transforms the creation, distribution and consumption of music.

### MUSC2612

#### Arts Music Concert Performance 1 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Winsome Evans **Session:** Semester 1 **Classes:** 3 hour tutorials/week **Prerequisites:** 18 junior credit points, AND audition (contact the Unit one week before semester begins) **Assessment:** (1) 40 minute concert performance (repertoire not to be counted in any other performance course); (2) attendance at relevant classes, concerts and rehearsals; (3) programme notes (750 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

Performance on any instrument, in any style (classical, jazz, pop, traditional etc.) in lunch-time concerts in the Great Hall and the Old Darlington School. Students receive a written report, an advisory interview after each concert, peer student critiques and corrections to programme notes (all of which are meant to develop a scholarly, analytical research basis towards the practical performance of music).

It is advised that MUSC2612 and MUSC2613 be taken over two consecutive semesters.

### MUSC2613

#### Arts Music Concert Performance 2 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Winsome Evans **Session:** Semester 2 **Classes:** 3 hour tutorials/week **Prerequisites:** MUSC2612 Arts Music Concert Performance 1 **Assessment:** (1) 45 minute concert performance (repertoire not to be counted in any other performance course); (2) attendance at relevant classes, concerts and rehearsals; (3) programme notes (750 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

Performance on any instrument, in any style (classical, jazz, pop, traditional etc.) in lunch-time concerts in the Great Hall and the Old Darlington School. Students receive a written report, an advisory interview after each concert, peer student critiques and corrections to programme notes (all of which are meant to develop a scholarly, analytical research basis towards the practical performance of music). It is advised that MUSC2612 and MUSC2613 be taken over two consecutive semesters.

### MUSC2614

#### Composition Workshop 1 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Matthew Hindson **Session:** Semester 2 **Classes:** 3 hour workshop/week **Prerequisites:** 12 junior credit points in music. **Assessment:** Attendance and participation in classes and concerts (30%), composition portfolio and process diary (60%), aural and/or written presentations (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

An open forum in which students are given an opportunity in a supervised environment to hear their original compositions rehearsed and performed, usually by other participating students. The workshops may be themed around particular genres and musical techniques which vary from semester to semester. eg. music theatre; drone-based compositions; song-writing; sound and rhythm; creating a sound space; media composition etc. The workshop encourages public performance term concerts of new music composed by workshop participants and acts as a forum for lectures from visiting composers and other music industry specialists.

### MUSC2615

#### Advanced Concepts Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Winsome Evans **Session:** Semester 2 **Classes:** 2 hour lecture & 1 tutorial/week **Prerequisites:** MUSC1501 Concepts of Music or MUSC1504 Fundamentals of Music II **Prohibitions:** MUSC2010 **Assessment:** Six composition exercises (60%), two aural tests plus class work assessment in aural tutorials (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

Analysis of fundamental compositional concepts in melody and harmony (demonstrated by students in compositional output presented in neat, hand-written notation). Music from a wide range of Western and non-Western musical styles is studied. Aural training tutorials complement these studies.

### MUSC2618

#### Arts Music Ensemble 1 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Assoc Professor Winsome Evans **Session:** Semester 1 **Classes:** 4 tutorial hours/semester plus rehearsals and

performances. **Prerequisites:** 18 junior credit points in no more than two subject areas. Some ensemble groups require an audition as well. **Assessment:** 1) Weekly tutorials (rehearsals in chosen group plus course tutorial); 2) Concert performance and administrative assistance; 3) A 3,000 word essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

Participation in an approved performance ensemble (where available), such as: the Sydney University Symphony Orchestra, the Gamelan Orchestra 'Langen Suka', the Renaissance Players, the Sydney Chamber Choir, the Sydney University Musical Society, SBS Orchestra, Sydney Youth Orchestra, Sydney Conservatorium Choir, Sydney Philharmonia Choir. Regular weekly rehearsals leading to concerts, supervised by a tutor to improve and develop ensemble performance skills, self-discipline, leadership and administrative prowess. Instruction in section leading, intonation and tone production.

### MUSC2619

#### Arts Music Ensemble 2 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Winsome Evans **Session:** Semester 2 **Classes:** 4 tutorial hours/semester plus rehearsals and performances. **Prerequisites:** MUSC2618 Arts Music Ensemble 1 **Assessment:** 1) Weekly tutorials (rehearsals in chosen group plus course tutorial); 2) Concert performance and administrative assistance; 3) A 3,000 word essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

Advanced performance in an approved performance ensemble (where available), such as: the Sydney University Symphony Orchestra, the Gamelan 'Langen Suka', the Renaissance Players, the Sydney Chamber Choir, the Sydney University Musical Society, SBS Orchestra, Sydney Youth Orchestra, Sydney Con Choir, Sydney Philharmonia Choir. Regular weekly rehearsals leading to concerts, supervised by a tutor to improve and develop ensemble performance skills, self-discipline, leadership and administrative prowess. Instruction in balance, section leading, intonation and tone production.

### MUSC2621

#### The Mediaeval Spanish Melting Pot Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Winsome Evans **Session:** Semester 1 **Classes:** 3 hours/week **Prerequisites:** 18 Junior credit points, including 12 in Music (or advanced facility in reading music). Contact course coordinator for further information. **Prohibitions:** MUSC2009 **Assessment:** 4,500 word essay (or 4,000 word essay and a musical composition arrangement). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

An overview of secular music in mediaeval Spain: song and dance genres, minstrel and courtly traditions (including the dance songs of Martin Codax and the cantigas de Santa Maria of King Alphonso X), Arabic and Jewish influences on genres, styles of performance and structures of poetic texts. This course will consider performance issues and involve analysis of musical and poetic structures.

### MUSC2622

#### Music in the Sixties Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Cecilia Sun **Session:** Semester 2 **Classes:** 3 hours/week **Prerequisites:** 18 junior credit points **Prohibitions:** MUSC2106 **Assessment:** Written assignments of 3,000 words, online journal (1,500 words) and participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

This unit will study a wide range of music from the 1960s. Repertoire will be drawn from both art and vernacular traditions, and will be studied within the context of the social and political upheavals of the period. Music studied will include examples from Experimental Music, Rock & Roll and Folk Music.

### MUSC2631

#### Fieldwork, Ethnography and Transcription Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Charles Fairchild **Session:** Semester 2 **Classes:** 2 hour lecture/week **Prerequisites:** 12 junior music credit points. Students will normally have completed either MUSC1501 Concepts of Music or MUSC1504 Fundamentals of Music II. **Prohibitions:** MUSC2903 **Assessment:** Field project (oral and written presentation - 4500 words); (40%) two transcriptions - 500 words each (30%); critical readings and class participation (500 word analysis) (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

This unit is a prerequisite for MUSC4011 Music Honours A (for BA Hons in Music). It examines a number of approaches to ethnomusicological fieldwork through critical readings on musical ethnography. Students will have the opportunity to apply this knowledge in a fieldwork project of their own choosing. Key ethnomusicological techniques such as audio and video recording, archiving and documentation will be introduced. The uses of transcription and analysis in ethnomusicology, and the latest technological aids to transcription will be introduced and discussed. A number of practical transcription exercises will also be examined.

### MUSC2632

#### Introduction to Stravinsky Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Cecilia Sun **Session:** Semester 2 **Classes:** 2 hours/week **Prerequisites:** 12 junior music credit points. **Assessment:** A 4,000 word essay (50%), listening test (20%), participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, Dip Arts, UG Study Abroad Program.

An in-depth study of the music of Stravinsky within the vibrant artistic and cultural life of European music in the 20th century. A critical and analytical evaluation of the development of Stravinsky's music from its Russian origins, through cosmopolitan neo-classicism to the advanced serialism of his late works. An examination of reception issues, the interaction of Stravinsky's music with other cultural forms, especially dance, in the contemporary world.

### MUSC2641

#### Twentieth Century Music Techniques Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Matthew Hindson **Session:** Semester 2 **Classes:** 2 hr lecture/tutorial per week **Prerequisites:** 12 junior credit points in music-based subjects **Prohibitions:** CMPN1011 or CMPN1611 **Compositional Techniques & Analysis 1** **Assessment:** Written assignments (50% - equivalent to 3,000 words), class presentation (20% - equivalent to 1,200 words), exam (30% - equivalent to 1,800 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

A range of compositional procedures from the 20th century Western music tradition will be examined, with particular emphasis on music of the latter half of the century. Works by a variety of Australian and

international composers will be studied, with the aim to increase students' understanding of some of last century's major developments in Western music. Students will apply these concepts in submitted composition tasks. A good working knowledge of musical notation is essential for this subject.

### MUSC2651

#### Australian and Asian Music 1 Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Professor Anne Boyd **Session:** Semester 1 **Classes:** 2 hour lecture and 1 hr tut/week **Prerequisites:** 18 junior credit points **Assessment:** One 3000 word essay, or individual project (60%); a listening test (750 words - 15%); 3 on-line quizzes (15%); attendance and participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

Australian musical culture focussing upon issues of identity and belonging including a study of Aboriginal, Asian and Pacific music and influences on musical composition in Australia since European settlement.

### MUSC2653

#### Introduction to Digital Music Techniques Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Matthew Hindson **Session:** Semester 1 **Classes:** 3 hr lecture/demonstration/week **Prerequisites:** 18 Junior credit points **Prohibitions:** MUSC2053 **Assessment:** Sound recording and editing assignment (40%); creative assignment(s) (40%); class presentation, attendance and participation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

This unit is an introduction to the use of digital sound and music in creative and multimedia contexts. It is a practical course in which students are introduced to tools of sound creation and manipulation. In addition, participants will be exposed to a number of approaches to electroacoustic music creation across the 20th and 21st centuries. A basic knowledge of music concepts and ability to follow a piano score is required.

### MUSC2654

#### Popular Music Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Charles Fairchild **Session:** Semester 1 **Classes:** 2 hours/week **Prerequisites:** 18 junior credit points **Assessment:** Short analysis (1,000 words - 30%); tutorial test (500 words - 20%); major essay (4,500 words - 40%); class participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

How did early American blues and country music develop in tandem? How was punk different in the US, the UK and Australia? What are the origins of the DJ culture? This unit of study presents a thematic overview of a wide variety of styles, movements and spectacles. It examines major genres of popular music, their stylistic features and historical antecedents as well as modes of reception and the role of popular music in everyday life. No formal music training is necessary.

### MUSC2662

#### Film Music Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Matthew Hindson & Dr Charles Fairchild **Session:** Semester 1 **Classes:** 2 hour lecture/week **Prerequisites:** 18 junior credit points **Assessment:** Written and/or music composition



assignments (5,000 words), Exam (1,000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: An ability to read music at a basic level and an understanding of fundamental musical terminology would be an advantage in this unit of study but is not essential.*

**Associated degrees:** B A, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit will introduce a wide array of aesthetic and compositional approaches to setting music for film, examine interrelations and convergences between the music and film industries, and apply these interrelations and convergences to practical scenarios. Learning will be supported by a wide range of films and scholarly sources.

### MUSC2666

#### A Global Sound: African American Music Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Charles Fairchild **Session:** Semester 2 **Classes:** 2 hours/week **Prerequisites:** 18 junior credit points. **Prohibitions:** SSCP1002 **Assessment:** Two 1000 word assignments; result of individual analysis. One 4,000 word assignment; result of individual research. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

How did the music of enslaved and marginalised people eventually become a dominant force in contemporary popular culture? This unit will examine the local reinvention of a wide variety of African American musics in communities around the world. From soul and funk in West Africa to ska and reggae in the Caribbean, we will examine how music moves around the world and within local communities to make new forms of meaning.

### MUSC2667

#### Shakespeare as Opera Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael Halliwell **Session:** Semester 2 **Classes:** One 2hr seminar/wk **Prerequisites:** 18 junior credit points. **Assessment:** 1 mid-semester assignment (1500 words), 1 essay (4500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

This course will study the literary and musical strategies employed by composers and librettists in the adaption of the plays of Shakespeare into opera. Operas to be examined are taken from nearly 400 years of operatic repertoire including the classical, romantic, modernist and postmodernist periods. Recent CD and DVD recordings of both the plays and operas will be used, and current adaption theory as applicable to opera will be investigated.

### MUSC2680

#### Spanish Jews in the Ottoman Empire Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Winsome Evans **Session:** Semester 2 **Classes:** 2 hour lecture & 1 hour tut/week **Prerequisites:** 48 junior credit points. **Assumed knowledge:** The ability to read music. **Assessment:** One 4,500 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

An overview of secular traditional genres, musical and poetic, of Spanish Jews, post-1492, in their resettlement in countries of the Mediterranean basin. The main focus will be on traditional song and dance forms in the Ottoman Empire, touching on shared and borrowed fertilisations (Judaic, Arabic, Islamic, Christian), with particular

reference to song genres with Judezmo texts. Other aspects of cross fertilisation will be considered alongside older retained traditions (dress, food, language, religious customs).

### MUSC2686

#### Mozart and his Times Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Cecilia Sun **Session:** Semester 1 **Classes:** 2hr lecture and 1hr tut/week **Prerequisites:** 18 junior credit points. **Assessment:** Written assignments of 300 words (50%), listening test (20%), online journal (20%), participation/reading (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

This course is for students who wish to explore the beautiful and challenging music of Mozart. Through reading and intensive listening, we will study the cultural and musical contexts in which Mozart produced his works. Students will emerge with a sense of what makes Mozart special: the ways in which he is (and is not) typical of his turbulent and fascinating age, and the reasons his music still speaks to us so powerfully today. No formal musical training necessary.

### MUSC2690

#### Music and Gender Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Cecilia Sun **Session:** Semester 1 **Classes:** 2 hr lecture + 1 hr tut/week **Prerequisites:** 18 junior credit points. **Assessment:** Written assignments of 300 words (70%), online journal (20%), participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

This course will study the representations of gender, the body, and sexuality by both male and female musicians in repertoire drawn from a number of different historical and geographic moments. Topics of study will cover a range of popular and art music genres. No previous formal musical training required.

### MUSC2693

#### Advanced Fundamentals of Music Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Winsome Evans **Session:** Semester 1 **Classes:** 2 hr lect/wk and 1 hr tut/week **Prerequisites:** MUSC1504 Fundamentals of Music 2 **Prohibitions:** MUSC1501 Concepts of Music, MUSC2615 Advanced Concepts **Assumed knowledge:** Material covered in MUSC1504 Fundamentals of Music 2 **Assessment:** 7 compositional exercises (sometimes subdivided into smaller components); 3 aural tests. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

A composition course in which research-based analysis of aspects of music from a wide range of Western and non-Western styles (classical, popular, traditional, etc) and periods (mediaeval to modern) leads to composing set exercises in the styles and structures studied, integrated with complementary aural tutorials. Compositions are to be presented for assessment in neat, hand-written notation in a large book format.

### MUSC2810

#### Music Exchange Sydney Conservatorium of Music

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.



**MUSC2812****Music Exchange****Sydney Conservatorium of Music**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

**MUSC2813****Music Exchange****Sydney Conservatorium of Music**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

**MUSC3604****Arts Music Concert Performance 3****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Assoc Professor Winsome Evans **Session:** Semester 1 **Classes:** 3 hour tutorials/week **Prerequisites:** MUSC2613 Arts Music Concert Performance 2 **Assessment:** (1) 45 minutes concert performance (repertoire not to be counted in any other performance course); (2) attendance at relevant classes, concerts and rehearsals; (3) programme notes (1,000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus.

Performance on any instrument in any style (classical, jazz, pop, traditional, etc.) in lunch-time concerts in the Great Hall, MacLaurin Hall and the Old Darlington School. Students receive a written report, an advisory interview after each concert, peer student critiques and corrections to programme notes (all of which are meant to develop a scholarly, analytical research basis towards the practical performance of music). It is advised that MUSC3604 and MUSC3605 be taken over two consecutive semesters.

**MUSC3605****Arts Music Concert Performance 4****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Winsome Evans **Session:** Semester 2 **Classes:** 3 hour tutorials/week **Prerequisites:** MUSC3604 Arts Music Concert Performance 3 **Assessment:** (1) 50 minute concert performance (repertoire not to be counted in any other performance course) including ensemble performance; (2) attendance at relevant classes, concerts and rehearsals; (3) programme notes (1,000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus.

Performance on any instrument, in any style (classical, jazz, pop, traditional etc.) in lunch-time concerts in the Great Hall, MacLaurin Hall and the Old Darlington School. Students receive a written report, an advisory interview after each concert, peer student critiques and corrections to programme notes (all of which are meant to develop a scholarly, analytical research basis towards the practical performance of music). It is advised that MUSC3604 and MUSC3605 be taken over two consecutive semesters.

**MUSC3609****Musicology****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Cecilia Sun **Session:** Semester 2 **Classes:** 2 hours/wk **Prerequisites:** 12 junior credit points in music **Assessment:** Written assessments (60%), online journal (20%), participation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad Program.

What do we study when we study music? What kinds of stories do we tell about the history of music? What are the central issues, questions, and concerns that drive the study of music? This course will begin to answer these questions and provide an overview of historical musicology as an academic discipline. In addition, students will also learn and practice the research skills necessary to find and evaluate sources, and to define and develop an area of interest. These skills will provide a solid foundation for the independent research work necessary in the Honours year.

**MUSC3611****Composition Workshop 2****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Matthew Hindson **Session:** Semester 2 **Classes:** 3 hr workshop/week **Prerequisites:** MUSC2614 Composition Workshop 1 **Assessment:** Attendance and participation in classes and concerts (30%); composition portfolio and process diary (60%); aural and/or written presentations (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B A, B Mus, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Arts, Dip Mus, UG Study Abroad.

An open forum in which advanced students are given an opportunity in a supervised environment to hear their original compositions rehearsed and performed, usually by other participating students. The workshops may be themed around particular genres and musical techniques which vary from semester to semester. e.g. music theatre; drone-based compositions; song-writing; sound and rhythm; creating a sound-space; media composition etc. The workshop encourages public performance in twice term concerts of new music composed by workshop participants and acts as a forum for lectures from visiting composers and other music industry specialists. This unit covers areas not already covered in MUSC2614 Composition Workshop 1.

**MUSC4011****Music Honours A****Sydney Conservatorium of Music**

**Credit points:** 12 **Teacher/Coordinator:** Professor Anne Boyd/Dr Cecilia Sun **Session:** Semester 1, Semester 2 **Prerequisites:** Credit results in MUSC3609 Musicology, and either MUSC2631 Fieldwork, Ethnography & Transcription or another advanced music analysis course, plus a Music Major with credit average results in 36 senior music credit points. **Assessment:** 15,000 - 20,000 word thesis (40%); Dissertation Seminar (20%); Performance, Composition or Musicology Special (20%); and a further 12 credit points in Arts or Music (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B A, B Mus Studies, B Mus Studies, B A, Dip Arts(Hons).

The Honours BA in Music is both a completion at a high standard of an academic education in music, and a preparation for postgraduate study in music. Intending Honours students should speak to the Honours co-ordinator before enrolling. Honours requirements are:

Thesis: a thesis on a topic agreed with the course coordinator, but normally negotiated by the end of the previous year in the course of MUSC3609 Musicology. A research-based performance or a major composition up to half the total value of the course may, with permission of the Chair of Unit, be included as an integral part of the thesis. Individual fortnightly supervision throughout the year.

Dissertation Seminar: two hours per week.

Special Project: in either Musicology, Performance or Composition to be negotiated between student and supervisor.

Further 12 credit points in Arts or Music (units of study subject to approval).

**MUSC4012****Music Honours B**

### **Sydney Conservatorium of Music**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MUSC4011  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal  
(lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A, B Mus Studies, B Mus Studies, B A,  
Dip Arts(Hons).

Refer to MUSC4011

### **MUSC4013**

#### **Music Honours C**

### **Sydney Conservatorium of Music**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MUSC4012  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal  
(lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A, B Mus Studies, B Mus Studies, B A,  
Dip Arts(Hons).

Refer to MUSC4011

### **MUSC4014**

#### **Music Honours D**

### **Sydney Conservatorium of Music**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** MUSC4013  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal  
(lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A, B Mus Studies, B Mus Studies, B A,  
Dip Arts(Hons).

Refer to MUSC4011

# University undergraduate units of study – N

## NEUR3001

### Neuroscience: Special Senses Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Dario Protti **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; one 3 hour practical per fortnight and one 3 hour tutorial per fortnight. **Prerequisites:** For BMedSc students: BMED(2801 or 2503) and BMED(2806 or 2505) For other students: (PHSI(2101 or 2001 or 2901 or 2005 or 2905) or ANAT(2003 or 2010)) and 6 credit points of MBLG. **Prohibitions:** PHSI3001, NEUR3901 **Assumed knowledge:** It is strongly recommended that students also take unit NEUR3002. PHSI2005 and ANAT2010 are assumed knowledge. **Assessment:** Two 1 hour exams, one prac report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, B Sc (Nutrition), UG Study Abroad Program.

The aim of this course is to provide students with an introduction to the structure and function of the nervous system and to the main concepts of processing of sensory information. Understanding basic sensory transduction mechanisms and the function of the sensory systems is necessary to understand how perceptual processes work in normal and disease conditions and provides a gateway to unravel the complexity of the mind. Basic aspects of low and high level sensory processing in all sense modalities will be covered, with a special emphasis in the auditory and visual systems. The relationship between sensory systems, perception and higher cognitive functions will be addressed.

#### Textbooks

Kandel, Schwartz, Jessel. Principles of Neural Science. 4th Ed, Elsevier, NY, 2000  
or  
Bear, Connors, Paradiso. Neuroscience: Exploring the brain. Baltimore: Williams & Wilkins, 2001

## NEUR3002

### Neuroscience: Motor Systems & Behaviour Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Vladimir Balcar **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, one 3 hour practical per fortnight and one 3 hour tutorial per fortnight. **Prerequisites:** For BMedSc students: BMED(2801 or 2503) and BMED(2806 or 2505) For other students: (PHSI(2101 or 2001 or 2901 or 2005 or 2905) or ANAT(2003 or 2010)) and 6 credit points of MBLG. **Prohibitions:** PHSI3001, NEUR3902 **Assumed knowledge:** It is strongly recommended that students also take unit NEUR3001. ANAT2010 and PHSI2005 is assumed knowledge. **Assessment:** Two 1 hour exams, neuroanatomy practical test, prac report, paper discussion sessions, library essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, B Sc (Nutrition), UG Study Abroad Program.

The aim of this course is to provide students with an introduction to the structure and function of the nervous system. Our current knowledge of how the brain works is based on the analysis of the normal structure of the nervous system and its pathways, the functional effects of lesions and neurological diseases in different parts of the nervous system, and the way that nerve cells work at the molecular, cellular and integrative level. This course focuses on to the neural circuits and the mechanisms that control somatic and autonomic motor systems, motivated behaviours, emotions, and other higher order functions. The lecture series addresses the different topics, each of which offers special insight into the function of the nervous system in health and disease.

#### Textbooks

Kandel, Schwartz, Jessel. Principles of Neural Science. 4th Ed, Elsevier, NY, 2000 or Bear, Connors, Paradiso. Neuroscience: Exploring the brain. Baltimore: Williams & Wilkins, 2001

Nolte. The Human Brain. 4th Ed, C.V. Mosby Co., St Louis, Washington D.C., Toronto, 1999

## NEUR3003

### Cellular and Developmental Neuroscience Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Kevin Keay and Dr Catherine Leamey **Session:** Semester 2 **Classes:** Three 1 hour lectures plus one 1 hour tutorial or one 2 hour practical per week. **Prerequisites:** For BMedSci: 42 credit points of intermediate BMed units. For others: 18 credit points of Intermediate science units of study from Anatomy & Histology, Biochemistry, Biology, Chemistry, Computer Science, Mathematics, Microbiology, Molecular Biology and Genetics, Physiology, Psychology or Statistics **Prohibitions:** NEUR3903, PHSI3002, PHSI3902 **Assumed knowledge:** Students should be familiar with the material in Bear, Connors & Paradiso Neuroscience: Exploring the Brain. **Assessment:** One 1 hour exam. Major essay/report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment in NEUR3004 is HIGHLY RECOMMENDED. Courses are designed to be taken in conjunction with each other.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This second semester unit is designed to introduce students to "cutting edge" issues in the neurosciences. This course is a combination of small lectures on current issues in cellular and developmental neuroscience and a research-based library project. Suitably qualified students may have the option of replacing the library project with a laboratory project. Issues covered in the lecture series will include the role of glial on cerebral blood flow and neural transmission, neurochemistry and psychiatric disorders and the development of central and peripheral nervous system.

#### Textbooks

Kandell, Schwartz and Jessell. Principles of Neural Science 4th edition.

## NEUR3004

### Integrative Neuroscience Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Kevin Keay and Dr Catherine Leamey **Session:** Semester 2 **Classes:** One 0-1 hour lecture, one 2 hour tutorial plus 1-2 hours small meeting/laboratory session per week. **Prerequisites:** For BMedSci: 42 credit points of intermediate BMed units. For others: 18 credit points of Intermediate science units of study from Anatomy & Histology, Biochemistry, Biology, Chemistry, Computer Science, Mathematics, Microbiology, Molecular Biology and Genetics, Physiology, Psychology or Statistics. **Prohibitions:** NEUR3904, PHSI3002, PHSI3902 **Assumed knowledge:** Students should be familiar with the material in Bear, Connors & Paradiso Neuroscience: Exploring the Brain. **Assessment:** One mid-semester exam. 1 hour final exam. Major essay/report. Tutorial participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Enrolment in NEUR3003 is HIGHLY RECOMMENDED. Courses are designed to be taken in conjunction with each other.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This second semester unit is designed to introduce students to "cutting edge" issues in the neurosciences and to be taken in conjunction with NEUR3003. This course is a combination of small group lectures on current issues in neuroscience, seminar groups and a research-based library project. Suitably qualified students may have the option of replacing the library project with a laboratory project. Seminars will be held on topics including imaging pain, emotions, cortical development & plasticity, colour vision, stroke and hypertension, long-term regulation of blood pressure, auditory hallucinations and the "cocktail party effect".

#### Textbooks

Kandell, Schwartz and Jessell. Principles of Neural Science. 4th edition.



**NEUR3551****Neuroscience Exchange  
Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**NEUR3552****Neuroscience Exchange  
Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**NEUR3901****Neuroscience: Special Senses (Advanced)  
Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Dario Protti **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; one 3 hour practical per fortnight and one 3 hour tutorial per fortnight. Advanced students may be exempt from attending some of these classes to permit meetings with supervisor. **Prerequisites:** For BMedSc students: Credit average in BMED(2801 or 2503) and BMED(2806 or 2505) For other students: Credit average in (PHSI(2101 or 2001 or 2901 or 2005 or 2905) or ANAT(2003 or 2010)) and 6 credit points of MBLG. **Prohibitions:** NEUR3001, PHSI3001, PHSI3901 **Assumed knowledge:** PHSI2005 and ANAT2010 **Assessment:** Two 1 hour exams, one prac report, tutorial papers, one research or library essay (research essay will replace some other assessment items from regular course). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Permission from the coordinators is required for entry into this course. It is strongly recommended that students also take unit NEUR3002 or NEUR3902.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Nutrition), UG Study Abroad Program.

This unit of study is an extension of NEUR3001 for talented students with an interest in Neuroscience and research in this field. The lecture/practical component of the course is run in conjunction with NEUR3001. The aim of this course is to provide students with an introduction to the structure and function of the nervous system and to the main concepts of processing of sensory information. Understanding basic sensory transduction mechanisms and the function of the sensory systems is necessary to understand how perceptual processes work in normal and disease conditions and provides a gateway to unravel the complexity of the mind. Basic aspects of low and high level sensory processing in all sense modalities will be covered, with a special emphasis in the auditory and visual systems. The relationship between sensory systems, perception and higher cognitive functions will be addressed.

**Textbooks**

Kandel, Schwartz, Jessel. Principles of Neural Science. 4th Ed, Elsevier, NY, 2000  
or  
Bear, Connors, Paradiso. Neuroscience: Exploring the brain. Baltimore: Williams & Wilkins, 2001

**NEUR3902****Neuroscience: Motor Systems & Behav. Adv  
Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Vladimir Balcar **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, one 3 hour practical per fortnight and

one 3 hour tutorial per fortnight. Advanced students may be exempt from attending some of these classes to permit meetings with supervisor.

**Prerequisites:** For BMedSc students: Credit average in BMED(2801 or 2503) and BMED(2806 or 2505) For other students: Credit average in (PHSI(2101 or 2001 or 2901 or 2005 or 2905) or ANAT(2003 or 2010)) and 6 credit points of MBLG. **Prohibitions:** NEUR3002, PHSI3001 **Assumed knowledge:** ANAT2010 and PHSI2005 is assumed knowledge. **Assessment:** Two 1 hour exams, neuroanatomy practical test, prac report, paper discussion sessions, one research or review essay (research essay will replace some other assessment items from regular course). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Permission from the coordinators is required for entry into this course. It is strongly recommended that students also take unit NEUR3001 or NEUR3901.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Nutrition), UG Study Abroad Program.

This unit of study is an extension of NEUR3002 for talented students with an interest in Neuroscience and research in this field. The lecture/practical component of the course is run in conjunction with NEUR3002. The aim of this course is to provide students with an introduction to the structure and function of the nervous system. Our current knowledge of how the brain works is based on the analysis of the normal structure of the nervous system and its pathways, the functional effects of lesions and neurological diseases in different parts of the nervous system, and the way that nerve cells work at the molecular, cellular and integrative level. This course focuses on to the neural circuits and the mechanisms that control somatic and autonomic motor systems, motivated behaviours, emotions, and other higher order functions. The lecture series addresses the different topics, each of which offers special insight into the function of the nervous system in health and disease.

**Textbooks**

Kandel, Schwartz, Jessel. Principles of Neural Science. 4th Ed, Elsevier, NY, 2000 or Bear, Connors, Paradiso. Neuroscience: Exploring the brain. Baltimore: Williams & Wilkins, 2001  
Nolte. The Human Brain. 4th Ed, C.V. Mosby Co., St Louis, Washington D.C., Toronto, 1999

**NEUR3903****Cellular & Developmental Neurosci. (Adv)  
Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Kevin Keay and Dr Catherine Leamey **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial or one 2 hour lab session per week. **Prerequisites:** For BMedSci: 42 credit points of intermediate BMed units. For others: 18 credit points of Intermediate science units of study from Anatomy & Histology, Biochemistry, Biology, Chemistry, Computer Science, Mathematics, Microbiology, Molecular Biology and Genetics, Physiology, Psychology or Statistics. Plus, students must have a CREDIT (or better) in NEUR3001/3901 and NEUR3002/3902. **Prohibitions:** NEUR3003, PHSI3002, PHSI3902 **Assumed knowledge:** Students should be familiar with the material in Bear, Connors & Paradiso Neuroscience: Exploring the Brain. **Assessment:** One 1 hour exam. Major essay/report. Mini-lecture. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Enrollment in NEUR3004/3904 is HIGHLY RECOMMENDED. Courses are designed to be taken in conjunction with each other. Students must receive permission from the coordinators for enrollment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit encompasses the material taught in NEUR3003. Advanced students perform a research project and present a mini-lecture on a current topic in neuroscience.

**Textbooks**

Kandell, Schwartz and Jessell. Principles of Neural Science. 4th edition.

**NEUR3904****Integrative Neuroscience (Advanced)  
Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Kevin Keay and Dr Catherine Leamey **Session:** Semester 2 **Classes:** One 1 hour lecture, one 2 hour tutorial and 1-2 hour small meeting/laboratory per week. **Prerequisites:** For BMedSci: 42 credit points of intermediate BMed units. For others: 18 credit points of Intermediate science units of study from Anatomy & Histology, Biochemistry, Biology, Chemistry, Computer Science, Mathematics, Microbiology, Molecular Biology and Genetics, Physiology, Psychology or Statistics. Plus, students must have a CREDIT (or better) in NEUR3001/3901 and NEUR3002/3902. **Prohibitions:** NEUR3004, PHSI3002, PHSI3902 **Assumed knowledge:**

Students should be familiar with the material in Bear, Connors & Paradiso Neuroscience: Exploring the Brain. **Assessment:** One mid semester exam. One 1 hour final exam. Major essay/report. Tutorial participation. Mini-Lecture. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Enrolment in NEUR3003/3903 is HIGHLY RECOMMENDED. Courses are designed to be taken in conjunction with each other. Students must receive permission from the coordinators for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit encompasses the material taught in NEUR3004. Advanced students perform a research project and present a mini-lecture on a current topic in neuroscience research.

*Textbooks*

Kandell, Schwartz and Jessell. Principles of Neural Science. 4th edition.

### NTMP3001

#### Coral Reef Ecosystems Science

**Credit points:** 6 **Teacher/Coordinator:** Professor Maria Byrne **Session:** S2 Intensive **Classes:** Fieldwork, 80 hours block mode. **Prerequisites:** MARS(2005 or 2905), plus 12 credit points from Intermediate Science units of study which must include at least 6 credit points of Biology. **Assumed knowledge:** General concepts in Biology **Assessment:** Participation in field work and submission of a report. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode *Note: Department permission required for enrolment.*

**Associated degrees:** B Sc (Marine Science).

Coral Reef Ecosystems is an intensive unit that will be held at either the Heron Island or One Tree Island Tropical Research Stations on the Great Barrier Reef. The unit focuses on the dominant taxa in reef environments and linkages between them. Emphasis is given to corals, other reef associated invertebrates (eg. echinoderms and plankton) and fishes. Ecological and physiological aspects of key organisms are explored. Aspects covered include: distribution of corals; coral bleaching; coral symbionts and the health of the corals based on photosynthetic activity; predation on corals; the input of plankton to reefs; and, the role of fishes and invertebrates in reef environments.

### NTMP3004

#### Aquaculture Science

**Credit points:** 6 **Teacher/Coordinator:** Professor Maria Byrne **Session:** S2 Intensive **Classes:** Fieldwork, 80 hours block mode. **Prerequisites:** 12 credit points from Intermediate Science units of study which must include at least 6 credit points of Biology. **Assumed knowledge:** General concepts in Biology. **Assessment:** Assignments and report. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment.*

**Associated degrees:** B Sc (Marine Science).

Aquaculture is an intensive unit that will be held at the tropical research station on Orpheus Island in the Great Barrier Reef. The unit focuses on approaches to aquaculture in tropical marine environments. Emphasis is given to aquaculture of tropical invertebrates (especially bivalves and clams) and fishes. Some aspects of the unit may also be done using the aquarium system on campus at James Cook University. Aspects covered include: the design of aquarium facilities; water quality; rearing of algae; rearing of planktonic food; stocking densities; and, growth and genetics of the target species.

### NTMP3005

#### Coastal Management Science

**Credit points:** 6 **Teacher/Coordinator:** Belinda McMillen (course contact) **Session:** S2 Intensive **Classes:** Fieldwork, 80 hours block mode. **Prerequisites:** 12 credit points from Intermediate Science units of study which must include at least 6 credit points of Biology. **Assumed knowledge:** General concepts in Biology. **Assessment:** Assignment and report. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: These units are only available to BSc (Marine Science) students. Department permission required for enrolment*

**Associated degrees:** B Sc (Marine Science).

This unit examines the impacts of human activities on coastal and marine environments. It explores the complex relationships among the ecological and social values of these environments and outlines strategies and tools for their management. This is an intensive unit that will be held at the Moreton Bay Research Station.

### NTMP3551

#### NTMP Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc (Marine Science).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### NURS3001

#### Advanced Clinical Nursing Assessment Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 1 **Classes:** normal day or online **Assessment:** case study, health history, reflective journal, webct participation & community profile **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

**Associated degrees:** B N, UG Study Abroad Program.

This unit of study focuses on the advanced clinical abilities required for nursing assessment of patients, families communities in the 21st century. For the nurse to undertake advanced clinical assessment they must use all available sources of evidence including physiological, psychological, spiritual, socio economic and cultural values on an ongoing bases. Students will learn how to assess a patient's condition - physically, socially and mentally and to make insightful nursing observation that can inform practice. At the community level, and in the wider socio-economic context, students will study emerging patterns of disease that may impact on the nature of nursing care in the new millennium such as the emergence of multi resistant bacteria, H5N1 and Dengue Fever.

### NURS3002

#### Health Illness & Care: Int'l Perspective Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 2 **Classes:** normal day or online **Assessment:** essay, assignments and exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

**Associated degrees:** B N, UG Study Abroad Program.

This unit critically analyses national and international concepts of health, illness and care. It investigates the ways in which social, cultural and historical forces have shaped ideas and beliefs about health and illness. The unit also examines the structure of contemporary societies, emphasising the relationship between social structures, cultural factors, and the distribution of health and illness. In particular it examines the effects of social inequalities on the health of vulnerable, at-risk, and marginalised groups.

### NURS3003

#### Clinical and Patient Education Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 1 **Classes:** normal day or online **Assessment:** essays and exam **Campus:** Camperdown/Darlington **Mode of delivery:** On-line or Normal (lecture/lab/tutorial) Day

**Associated degrees:** B N, UG Study Abroad Program.

The field of clinical and patient education is explored in the context of the healthcare environment with emphasis on continuing changes in technologies, information and evidence bases for practice. The unit involves a study of the literature on the nature of learned and performed skills and what factors impact on the delivery of effective education in clinical settings. This unit also explores the role of the

registered nurse in relation to patient education, staff education and student supervision.

### NURS3004

#### Minor Thesis/Practice Project Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 2 **Classes:** normal day or online  
**Prerequisites:** 24 unspecified credit points **Assessment:** 1x5000wd essay  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

**Associated degrees:** B N, UG Study Abroad Program.

Students undertake advanced work on an area of practice, or a particular practice, in nursing. The project will involve three stages: first, conducting a review of the available research literature; second, examining other forms of evidence, such as written policies and protocols or actual practices; and third, composing a written report on the ways in which practice can be enhanced and/or further investigated by original research. This project will be highly suited to currently practising nurses whose professional responsibilities and interests include clinical leadership, management of a clinical service or practice development and/or the use of evidence in practice.

### NURS3005

#### Nursing Management & Clinical Governance Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 2 **Classes:** normal day or online  
**Assessment:** assignments and exam **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

**Associated degrees:** B N, UG Study Abroad Program.

This course provides a forum for experienced practitioners to enhance their skills and knowledge regarding the concept of clinical governance and to develop a framework for its implementation. The structure of the course will enable participants to explore and critique issues surrounding clinical governance in the context of care provision, organisational climate and culture, quality, clinical and professional leadership and financial responsibility. This course utilises a better practice (continuum of care / quality / cost / utilisation and health outcomes) framework.

### NURS3006

#### Current Issues in Nursing Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 1 **Classes:** lectures and tutorials, online  
**Assessment:** essay, presentation, exam **Campus:** Camperdown/Darlington  
**Mode of delivery:** On-line or Normal (lecture/lab/tutorial) Day

**Associated degrees:** B N.

This unit of study will extend knowledge of professional nursing by focusing on particular issues that currently challenge nurses. Drawing on clinical, technical and sociological research and current media reporting it will examine how and why issues are reported and why some are highly publicized while some are virtually ignored. The unit encourages reflection and awareness of the complexities of nursing practice by examining the culture of the health care sector, nurses' responsibility and accountability for patient outcomes, patient safety and nurses' outcomes. The health care sector is presently experiencing a shortage of registered nurses and is constrained by an ideology favouring economic rationalism. These factors impact on today's nurses, their practice and their professionalisation, and the health of the nation.

### NURS4020

#### Theory, Method and Ethic in Research Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 1 **Classes:** seminars, workshops  
**Assessment:** literature review **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B N (Hons).

This unit of study focuses on the knowledge and skills required for the beginning nurse researcher. It examines (i) research design and research methods, including various data collection and analysis

techniques, ethical considerations in undertaking research; (ii) evaluating and critiquing the literature; students will undertake a critical and analytical literature review of their research topic in 5,000-6,000 words and (iii) written and oral modes of disseminating research findings.

### NURS4021

#### Honours Thesis A Nursing and Midwifery

**Credit points:** 18 **Session:** Semester 1 **Classes:** seminars, workshops  
**Assessment:** seminar presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B N (Hons).

This unit provides students with the foundations for undertaking and managing their research project. It explores the practical aspects of managing the honours project, including the supervisory relationship and time management, as well as structuring an honours thesis and developing the thesis argument. Students are also assisted in developing skills for presenting their research, including oral presentation skills. It is expected that students will commence their research project under the guidance of their supervisor during this unit.

### NURS4022

#### Honours Thesis B Nursing and Midwifery

**Credit points:** 12 **Session:** Semester 2 **Classes:** supervised work  
**Assessment:** Thesis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B N (Hons).

In this unit of study students will continue working on their independent research project under the guidance of their supervisor, including undertaking relevant field work, analyzing the data and writing their thesis.

### NURS4023

#### Honours Thesis C Nursing and Midwifery

**Credit points:** 12 **Session:** Semester 2 **Assessment:** Thesis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B N (Hons).

In this unit of study students will complete their independent research project and thesis. Students will complete the 15,000-20,000 words thesis.

### NUTR2551

#### Nutrition Science Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc (Molecular Biotechnology), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### NUTR2911

#### Food Science Introductory (Advanced) Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Kim Bell-Anderson **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 2.5 hour practical per week. **Prerequisites:** MBLG(1001 or 1901) and CHEM (1001 or 1101 or 1901 or 1903 or 1108) and CHEM (1002 or 1102 or 1902 or 1904 or 1109) and BIOL (1001 or 1911) and BIOL (1002 or 1003 or 1902 or 1903). For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree completion of all Junior units in the table of units for this course (CHEM1101, BACH1161, BIOS1159, EXSS1018 CHEM1102, BIOS1133, BIOS1160, EXSS1033, MBLG1001) **Prohibitions:** NUTR2901 **Assessment:** One 3 hour exam, one 1 hour theory of practical exam, one assignment and 5 quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex &Sp Sc), B Sc (Nutr), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit of study aims to give a broad appreciation of foods as commodities; that is, the origin, history, cultural and nutritional importance of the major foods for human use. Further, aspects of food processing and cooking that affect the nutritional quality of these foods will be discussed. Food groups covered include animal foods, seafood, cereals, sugars, fats and oils, dairy products, legumes, nuts, vegetables, fruits, herbs and spices and alcohol.

Topics in food science and technology include the principles of food preservation, aspects of the preparation and processing of cereals, dairy products, fats and oils, sugars and starches and meats. Food legislation is discussed as well as food additives, naturally occurring toxicants in foods, food pollutants, food safety, food hygiene and food microbiology. Practical classes investigate the nutritional and physical composition of food commodities, and demonstrate their behaviour and functional properties during normal culinary processes.

#### Textbooks

Charley H & Weaver C, *Foods: A Scientific Approach* 3rd Edition, Prentice Hall Inc.: New Jersey, 1998.

English R & Lewis J. *Nutritional values of Australian Foods*, AGPS: Canberra. Mann J & Truswell AS. *Essentials of Human Nutrition*, Oxford University Press: Oxford. 3rd Edition 2007

### NUTR2912

#### Nutritional Science Introductory (Adv) Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Kim Bell-Anderson **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 2.5 hour practical per week. **Prerequisites:** MBLG(1001 or 1901) and CHEM (1001 or 1101 or 1901 or 1903 or 1108) and CHEM (1002 or 1102 or 1902 or 1904 or 1109) and BIOL (1001 or 1911) and BIOL (1002 or 1003 or 1902 or 1903). For Combined BAppSc (Exercise and Sport Science)/BSc(Nutrition) degree completion of all Junior units in the table of units for this course (CHEM1101, BACH1161, BIOS1159, EXSS1018 CHEM1102, BIOS1133, BIOS1160, EXSS1033, MBLG1001). **Prohibitions:** NUTR2902 **Assumed knowledge:** NUTR2911 **Assessment:** One 3 hour exam, one 1 hour theory of practical exam, one assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex &Sp Sc), B Sc (Nutr), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

Information about the major nutrients, vitamins, the major and trace elements is presented with respect to food sources, consumption patterns, requirements for health, absorption, metabolism, nutritional/disease significance, deficiency states and the consequences of excess intakes.

Practical classes cover aspects of food analysis of the student's own diet. The practicals are designed to give students hands-on experience in the determination of major and minor nutrients in foods using procedures and instrumentation used in food research and analytical laboratories. The data obtained in the laboratory will be compared with that obtained with reference to published data in food composition tables. Students will gain an appreciation of the limitations of both methods of data collection and will become competent in the use and interpretation of food composition software packages.

#### Textbooks

Proudlow RK. *The Science and Technology of Foods*, Forbes: London, 1985. English R and Lewis J. *Nutritional values of Australian Foods*, AGPS: Canberra. Mann J and Truswell AS. *Essentials of Human Nutrition*, Oxford University Press: Oxford. 3rd Edition, 2007.

### NUTR3911

#### Nutritional Assessment Methods Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Karen Webb, Dr Vicki Flood **Session:** Semester 1 **Classes:** One 2 hour lecture, one 1 hour tutorial and one 2 hour practical per week. **Prerequisites:** NUTR2911 and NUTR2912 **Prohibitions:** NUTR3901 **Assessment:** 1 assignment, 3 practical reports, 3 tutorial papers **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex &Sp Sc), B Sc (Nutr), B Sc (Nutrition), UG Study Abroad Program.

Basic concepts in nutritional status assessment; develop skills in using three classic methods of dietary assessment in individuals and populations, advantages, limitations and application of each method; computerised nutrient analysis; limitations of food composition data; validity of dietary assessment methods and sources of measurement error; using reference standards to assess food and nutrient intakes of individuals and populations. Overview of nutritional assessment of individuals through anthropometric assessment, clinical examination and commonly used laboratory biochemical tests.

#### Textbooks

Gibson, RS. *Principles of Nutritional Assessment*. 2nd ed. Oxford University Press. New York. 2005.

Webb K, *Course Manual for Nutritional Assessment Methods*. 2008.

### NUTR3912

#### Community and Public Health Nutrition Science

**Credit points:** 6 **Teacher/Coordinator:** Ms Soumela Amanatidis **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour workshop and tutorial per week. **Prerequisites:** NUTR2911 and NUTR2912 **Prohibitions:** NUTR3902 **Assessment:** One 2 hour exam, 2-3 assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex &Sp Sc), B Sc (Nutr), B Sc (Nutrition), UG Study Abroad Program.

This unit of study covers topics such as nutrition through the Life cycle from infancy to old age; nutrition in vulnerable groups such as low income groups, indigenous populations and homeless youth and theories of food habits. It helps students gain skills and knowledge in planning, implementing and evaluating nutrition health promotion programs for various population groups. Topics covered include, principles of health promotion, effective nutrition promotion strategies, program evaluation and program planning. It also looks at current public health nutrition strategies for promoting health and preventing diet related diseases. The delivery of material involves lectures, tutorials and workshops.

#### Textbooks

Lawrence M & Worsley T (Editors) *Public Health Nutrition - From Principles to Practice*. Allen & Unwin, 2007. ISBN 978 174175 102 47.

Hawe P, Degeling D and Hall J. *Evaluating Health Promotion: A health worker's guide*. McLennan and Petty, 1990. ISBN 086 4330677.

Mann J & Truswell AS. *Essentials of Human Nutrition*. Oxford University Press. Oxford. 3rd edition 2007.

### NUTR3921

#### Methods in Nutrition Practice Science

**Credit points:** 6 **Teacher/Coordinator:** Ms Soumela Amanatidis **Session:** Semester 1 **Classes:** One 2 hour lecture and one 3 hour tutorial per week. **Prerequisites:** NUTR2911 and NUTR2912 **Prohibitions:** NUTR3901 **Assessment:** One 2.5 hour exam and 2-3 assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex &Sp Sc), B Sc (Nutr), B Sc (Nutrition), UG Study Abroad Program.

This course covers basic concepts in nutritional epidemiology; advantages and limitations of epidemiological methods; use of statistics in nutrition; critical interpretation of published data; survey questionnaire design and statistics and designing nutrition databases.

#### Textbooks

Bonita, R, Beaglehole, R, Kjellstrom, T, *Basic Epidemiology* (2nd Edition), World Health Organisation, Geneva, 2006, ISBN 924154465.

Lawrence M & Worsley T (Editors), *Public Health Nutrition - From Principles to Practice*, Allen & Unwin, 2007, ISBN 978 174175 102 4.

### NUTR3922

#### Nutrition and Chronic Disease Science

**Credit points:** 6 **Teacher/Coordinator:** Ms Soumela Amanatidis **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour workshop/tutorial per week. **Prerequisites:** NUTR2911 and NUTR2912 **Prohibitions:** NUTR3902 **Assessment:** One 2.5 hour exam, two assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex, SS and Nut), B App Sc (Ex &Sp Sc), B Sc (Nutr), B Sc (Nutrition), UG Study Abroad Program.

This unit of study examines the relationship and evidence for the role of nutrition in the etiology of chronic diseases such as cancer, coronary heart disease, hypertension, obesity, dental caries and osteoporosis. It also investigates the current nutrition policies and guidelines that are aimed at preventing these diseases at a population level. These include National Dietary Guidelines, Nutrition Reference Values, food legislation and Commonwealth and State food policies. Students will also get an opportunity to examine the current popular fad diets on the market. There is also a section on developing communication skills for promoting positive nutrition messages using the media. The delivery of material involves lectures, tutorials and workshops.

#### Textbooks

Mann J & Truswell AS. Essentials of Human Nutrition. Oxford University Press. Oxford. 3rd edition 2007.

Bauer K and Sokolik C. Basic Nutrition Counselling Skills. Wadsworth, 2002. ISBN: 0727 916645.

Lawrence M & Worsley T (Editors). Public Health Nutrition - From Principles to Practice. Allen & Unwin, 2007. ISBN 978 174175 102 4.

### NUTR4001 Clinical Nutritional Science A Science

**Credit points:** 24 **Teacher/Coordinator:** Ms Beth Rohrlach **Session:** Semester 1 **Classes:** 24 hours per week consisting of lectures, practical classes and tutorials. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Ex &Sp Sc), B Sc (Nutr), B Sc (Nutrition), B Sc (Nutrition)(Hons), UG Study Abroad Program.

Students enrolled in the Honours program study various advanced aspects of clinical nutritional science. The program may include lectures, tutorials, seminars and practicals. Assessment will include projects, examination, assignments, and may include classwork.

### NUTR4002 Clinical Nutritional Science B Science

**Credit points:** 24 **Teacher/Coordinator:** Ms Beth Rohrlach and Ms Margaret Nicholson **Session:** Semester 2 **Classes:** 20 week full time attendance of practical placement at clinical/community/food service sites. **Assessment:** Practical work, assignments and attendance. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: This unit of study will commence prior to the start of semester.*

**Associated degrees:** B App Sc (Ex &Sp Sc), B Sc (Nutr), B Sc (Nutrition), B Sc (Nutrition)(Hons).

All students must achieve competency in the 3 areas of clinical, community and food service dietetics. Students undertake dietetic clinical training at two or more hospitals. Community placements occur at community nutrition centres, public health units and food industry sites. Food service placements are usually part of a hospital food service department or other suitable site. The semester is of 20 weeks duration and placement starts early (usually late June) to accommodate this.

### NUTR4101 Nutrition Research A Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Ex &Sp Sc), B Sc (Nutr), B Sc (Nutrition).

Students enrolled in the Honours program study various advanced aspects of nutrition research. The program may include lectures, tutorials, seminars and practicals. Students will undertake a research project. Assessment will include the project and may include examination and classwork.

### NUTR4102 Nutrition Research B

### Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** NUTR4101 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex &Sp Sc), B Sc (Nutr), B Sc (Nutrition).

See NUTR4101

### NUTR4103 Nutrition Research C Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** NUTR4102 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex &Sp Sc), B Sc (Nutr), B Sc (Nutrition).

See NUTR4101

### NUTR4104 Nutrition Research D Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** NUTR4103 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Ex &Sp Sc), B Sc (Nutr), B Sc (Nutrition).

See NUTR4101.

### NUTR4999 Nutritional Science Honours Result Science

**Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Sc (Nutrition)(Hons).

This is used solely for the purpose of recording the final year result in Nutritional Science Honours.



# University undergraduate units of study – O

## OCCP1036

### Human Occupations IB Health Sciences

**Credit points:** 3 **Session:** Semester 2 **Classes:** On-campus, 9 lectures, eleven 2hr tutorials **Assessment:** A combination of assignments, reports, case studies, presentations, participation, vivas and/or exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (OT), UG Study Abroad Program.

This unit of study continues with self-maintenance occupations, addressing the home and the community environment and the nature of self maintenance activities within the context of daily life. Students will explore the effects of physical, psychosocial and cognitive dysfunction on personal care, home and community skills and examine various occupational therapy assessment and intervention strategies.

## OCCP1081

### Human Occupations IA Health Sciences

**Credit points:** 3 **Session:** Semester 1 **Classes:** On-campus, 6 lectures, ten 2hr tutorials **Assessment:** A combination of assignments, reports, case studies, presentations, participation, vivas and/or exams **Practical field work:** Tutorials are skills-based **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (OT), UG Study Abroad Program.

This unit of study introduces students to the concept of purposeful occupation in the area of self-maintenance. Students will explore the impact physical, psychosocial and cognitive dysfunction has upon self-maintenance task performance. They will also be given the opportunity to develop skills in methods used to assess, maintain, restore and enhance mobility and basic self-care skills. Appropriate assessment and intervention strategies are presented and explored.

#### Textbooks

Pedretti LW & Early MB (eds), Occupational Therapy Practice Skills for Physical Dysfunction (5th ed), Mosby, St Louis (2001)

## OCCP1082

### OT Theory and Process I Health Sciences

**Credit points:** 5 **Session:** Semester 1 **Classes:** A combination of lectures, tutorials, seminars, workshops and/or WebCT **Assessment:** A combination of assignments, reports, case studies, presentations, participation, vivas and/or exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (OT), UG Study Abroad Program.

This unit aims to introduce students to the concepts and philosophies which are foundations underlying current and future directions of occupational therapy practice. These philosophies and concepts will be explored through different theoretical perspectives as reflected in models of occupational therapy practice and include perspectives from therapists, consumers and community members. Students will critically review models of occupational therapy practice and their influence on the problem solving process in occupational therapy.

## OCCP1083

### Occupations/Roles Across the Lifespan I Health Sciences

**Credit points:** 5 **Session:** Semester 2 **Classes:** 4hr lectures/week **Assessment:** Module A: mid semester exam (50%), module B: end semester exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (OT), UG Study Abroad Program.

This unit of study introduces the student to lifespan development concepts and to occupational role development. It also focuses on the development of occupations and roles in infancy, childhood, adolescence and young adulthood. Development of skills and abilities necessary for performance of occupations during these groups will be examined from various theoretical perspectives.

#### Textbooks

No textbook required. Core references given in lectures. Book and readings to be purchased

## OCCP1091

### Components of Occ Performance IA Health Sciences

**Credit points:** 3 **Session:** Semester 1 **Classes:** On-campus, eleven 2hrs tutorials **Assessment:** A combination of assignments, reports, case studies, presentations, participation, vivas and/or exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (OT), UG Study Abroad Program.

This unit of study introduces students to the principles of intrapersonal and interpersonal components of occupational performance focusing on social interaction and helping skills which underpin person to person occupational therapy assessment and intervention in all areas of practice. Students will explore different theories of communication and counselling as applied in occupational therapy settings.

#### Textbooks

List to be provided in class

## OCCP1094

### Professional Practice I Health Sciences

**Credit points:** 3 **Session:** Semester 1 **Classes:** Clinical/fieldwork placement **Assessment:** Presentation, assignments, performance reports **Practical field work:** Off-campus clinical experience **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (OT), UG Study Abroad Program.

This unit of study provides students with opportunities to interact with clients and relevant others, to demonstrate professional behaviour, to integrate and apply theory and skills acquired in other units and to promote their awareness of the range and scope of occupational therapy services and the roles of team members.

## OCCP1095

### Components of Occ Performance IB Health Sciences

**Credit points:** 6 **Session:** Semester 2 **Classes:** 3hrs lectures, 2hrs tutorial/week **Assessment:** Viva exam (35%) (students must pass this to obtain overall pass in the unit), exam (35%), systematic instruction: 1500 word 'word' plan for instruction (30%), 80% attendance requirement for this module **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (OT), UG Study Abroad Program.

The biomechanical performance component is introduced and examined in order to identify and intervene where human performance deficits exist in this area. Principles of occupational therapy assessment and intervention in the area of biomechanical performance are established in order to restore, maintain and enhance occupational performance. Principles of learning and systematic instruction which underpin occupational therapy assessment and intervention in all



areas of practice will be established. Students will also explore different theoretical models and approaches to the delivery of services in different contexts. Consideration will be given to future practice context and the consequences of theoretical and practice issues for service delivery.

### OCCP1096

#### Understanding Occupation-People-Context Health Sciences

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hr lecture, 2hr tutorial/week and self-directed learning **Assessment:** Assignments, case reports, presentations, vivas and/or exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT).

The process of understanding and appreciating people's occupations in context (that is, participation in meaningful and purposeful daily life activities within diverse environments) is a fundamental skill necessary for occupational therapy practice. Using a client-centred perspective to explore participation in day-to-day activities, students will investigate various perspectives of human occupation across the lifespan and develop the therapeutic communication skills to discover where, when, how and why people from different backgrounds occupy their time. In doing so, students will learn: How do I explore how people (with or without health conditions) participate in daily life activities? How do I find out about the activities and routines in which persons of different ages and cultures participate? What processes do I use to understand and appreciate the association between what people do in day-to-day life and their health and quality of life?

### OCCP1097

#### Analysing Occupation and Performance Health Sciences

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2hr lecture, 2hr tutorial/week and self-directed learning **Assessment:** Assignments, case reports, presentations, vivas and/or exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT).

The expertise to analyse: a) self-care, mobility, domestic, social, educational, play, leisure, economic, and community activities (i.e., task analysis); b) a person's performance of activities (i.e., activity analysis); and c) the context in which people participate in activities (i.e., environmental analysis) is a fundamental skill for occupational therapy practice. Using various methods of systematic analysis, students will develop the skills to identify and enhance the inherent therapeutic potential of activities for children, youth and adults. In doing so, students will learn: How do I figure out what enables (and hinders) people's participation in and performance of activities? How do I identify environmental factors that influence people's performance in activities? How do I structure and adapt activities so they possess greater therapeutic potential all persons, regardless of the presence of a health condition?

### OCCP1098

#### Teaching Occupations and Performance Health Sciences

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2hr lecture, 2hr tutorial/week and self-directed learning **Assessment:** Assignments, case reports, presentations and/or exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT).

Teaching and learning is a fundamental, collaborative process applicable to all areas of occupational therapy practice - whether working in partnership with one person or a group of people, providing direct, indirect or consultative services. Anchored in specific principles of teaching and learning relevant to the provision of occupational therapy, students will develop proficiency in using a range of processes to facilitate people's understanding of activities and routines in everyday life and the performance of day-to-day activities and routines. In doing so, students will learn: How do I help people learn to perform activities and develop new routines where they live, work and play?

What specific methods do I use to foster learning within different contexts? How do I best consider the learning process for persons with or without health conditions?

### OCCP1099

#### Occupational Peerformance: Healthcare 1 Health Sciences

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2hr lecture, 2 hr tutorial/week and self-directed learning **Assessment:** Assignments, case reports, presentations, vivas and/or exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT).

For adults who experience significant challenges to daily life activities and receive intensive services within physical health (and related) settings, occupational therapy is essential to enhancing, restoring, or maintaining performance of the primary activities necessary for returning to the community (e.g., self-care, mobility) and for helping families and others to address day-to-day challenges that arise. Mindful of a client-centred approach, students will acquire basic assessment, intervention, and evaluation skills necessary for working as an occupational therapist within interdisciplinary healthcare teams. In doing so, students will learn: What occupational therapy processes do I use when a person's performance of self-care and mobility activities is significantly challenged? Within physical health care settings, how do I help enhance, restore, or maintain performance in daily life activities of concern? How do I incorporate a client-centred approach within health care systems? How do I help clients and families address current and future challenges related to daily life?

### OCCP1100

#### Professional Practice I Health Sciences

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1 hr lecture, 2hr tutorial/week, 40hr practical and self-directed learning **Assessment:** Assignments, case reports, presentations, vivas and/or exams **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B App Sc (OT).

Establishing a professional identity and integrating practice with theory is essential to provide quality occupational therapy services. Focusing on professional development in preparation for practice in all areas, during the semester, students will acquire supervisory relationship and elemental teamwork skills; gain basic information literacy skills; cultivate a professional approach to work; enhance communication (written and verbal) skills and reflect critically on professional development. At the end of the semester, students will participate in a supervised one-week, full-time experience within a professional service setting.

### OCCP2041

#### Human Occupations IIA Health Sciences

**Credit points:** 3 **Session:** Semester 1 **Classes:** A combination of lectures, tutorials, seminars, workshops and/or WebCT **Assessment:** A combination of assignments, reports, case studies, presentations, participation, vivas and/or exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT), UG Study Abroad Program.

This unit of study will focus on two areas; occupations as therapy and leisure. The therapeutic use of meaningful occupations from all performance areas will be examined as part of intervention strategies that may address dysfunction. Students will be given the opportunity to analyse occupations in detail, identifying the therapeutic potential inherent in them, how they may be adapted for different populations and how they may be used as a form of therapeutic intervention is examined. This unit of study will also focus on the individual use and development of satisfying leisure. Students will be given the opportunity to explore the importance of leisure through the lifespan and examine how occupational therapists may assess and facilitate client involvement in positive leisure experiences.

**OCCP2042****Human Occupations IIB  
Health Sciences**

**Credit points:** 3 **Session:** Semester 2 **Classes:** On-campus, 2-3hrs lectures/week **Assumed knowledge:** Child development **Assessment:** A combination of assignments, reports, case studies, presentations, participation, vivas and/or exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT), UG Study Abroad Program.

The focus of this unit of study is on play and school occupations of children. Students will be given opportunity to analyse these occupational areas and to develop skills in the selection of occupational therapy intervention strategies to improve a child's occupational performance in play and at school.

*Textbooks*

Recommended readings for each class

**OCCP2044****Components of Occ Performance IIB  
Health Sciences**

**Credit points:** 3 **Session:** Semester 2 **Classes:** On-campus, 13 lectures, 2hr tutorials (alternate weeks) **Assessment:** A combination of assignments, reports, case studies, presentations, participation, vivas and/or exams **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT), UG Study Abroad Program.

This unit of study will focus on two areas of study: an introduction to group work and mental health practice. Principles of intra-personal and inter-personal practice which underpin occupational therapy assessment and intervention in groupwork practice will be established through experiential learning. Students will also attend a lecture series on interpersonal and intrapersonal practice in the mental health area in order to restore, maintain and enhance human occupational performance.

**OCCP2076****OT Theory and Process II  
Health Sciences**

**Credit points:** 4 **Session:** Semester 1 **Classes:** Six 2hr lectures, five 2hr tutorials **Assessment:** 45min group presentation/discussion & handout (30%), 4000 word group report (50%), peer participation performance (20%), attendance requirements **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT), UG Study Abroad Program.

This unit of study aims to expand students' understanding of occupational therapy theory and process through the exploration of clinical reasoning and decision-making processes. Case studies and problem-based learning will be linked with assessments to explore the application and use of different theories to guide reasoning. Students will also explore different theoretical models and approaches to the delivery of services in different contexts. Consideration will be given to future practice context and the consequences of theoretical and practice issues for service delivery.

**OCCP2077****Occupations/Roles Across the Lifespan II  
Health Sciences**

**Credit points:** 3 **Session:** Semester 1 **Classes:** Ten 2hr lectures, online (WebCT) requirements **Assessment:** 1500 word assignment (60%), 1hr exam (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT), UG Study Abroad Program.

This unit of study focuses on the development of occupations and roles during mid-adulthood and in the elderly. Developmental changes and issues occurring at these stages will be examined as they influence the development of occupations and roles and vice versa. Various developmental perspectives on these changes and issues will be explored.

*Textbooks*

Peterson C, Looking Forward Through the Lifespan (2004)

**OCCP2080****Components of Occ Performance IIA  
Health Sciences**

**Credit points:** 5 **Session:** Semester 1 **Classes:** Thirteen 1hr lectures, six 3hr tutorials **Assessment:** Exam 1 (lecture content Wks 1-7) (40%), exam 2 (lecture content Wks 8-13) (20%), exam 3 (practical exam of tutorial content), audit tasks (20%), 80% attendance requirement for tutorials **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT), UG Study Abroad Program.

This unit of study examines sensorimotor component performance in order to identify and intervene for adults and children who have neuromotor disorders resulting in disturbances in muscle tone, motor control and difficulty achieving optimal performance of occupational tasks. Principles of occupational therapy assessment and intervention strategies covered will focus on positioning for function, positioning to prevent deformity, physical guidance to assist occupational performance, physical guidance to improve specific upper limb reach, grasp and release control in order to restore, maintain and enhance human occupational performance.

*Textbooks*

Updated readings assigned yearly

**OCCP2081****Professional Practice II  
Health Sciences**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** Clinical/fieldwork placement **Prerequisites:** OCCP1094 Professional Practice I, OCCP1091 Components of Occupational Performance 1A **Assessment:** Assignments, performance report **Practical field work:** Clinical practice, 2 weeks **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (OT).

This unit of study provides students with opportunities to demonstrate professional behaviour, integrate and apply theory and skills learned in the previous semesters to occupational therapy practice with guidance/supervision from one or more fieldwork educators. Students will be required to consolidate and expand on previous knowledge and skills.

**OCCP3029****Honours Research Seminar I  
Health Sciences**

**Credit points:** 3 **Session:** Semester 2 **Classes:** On-campus, 2hrs/week **Assessment:** Ongoing assessments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Leis&Hlth)Hons, B App Sc (OT) Hons, UG Study Abroad Program.

This seminar is designed to assist honours students with the development of their individual research projects for completion of their thesis in Year 4. At the completion of this unit of study each student will have prepared a written proposal for his/her research project. The development of the research proposal is undertaken in collaboration with an academic supervisor.

**OCCP3032****Occ Therapy Theory and Process III  
Health Sciences**

**Credit points:** 3 **Session:** Semester 2 **Classes:** 2hr lecture/week, plus WebCT and group work **Assessment:** Peer evaluation, Wks 7 & 11 (25%), industry evaluation, Wk 16 (15%), project presentation, Wk 16 (35%), participation (25%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT), B App Sc (OT) Hons, UG Study Abroad Program.

This unit of study aims to explore the theory and processes of effective management for current and future occupational therapy practice in varying health care contexts. Consideration will be given to the impact of current and emerging professional issues as well as broader issues in the health care sector and in the community.

## OCCP3050

### Professional Communication and Guidance Health Sciences

**Credit points:** 3 **Session:** Semester 1 **Classes:** 3hr tutorial for 4 weeks  
**Assessment:** Two 1500 word essays (50% ea), four reports on activities in placement settings via WebCT **Practical field work:** 3hrs/week during fieldwork placement **Campus:** Cumberland **Mode of delivery:** Distance Education or Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Leis&Hlth), B App Sc (Leis&Hlth)Hons, UG Study Abroad Program.

This unit is designed to enable students to develop the knowledge, skills and attitudes needed to establish therapeutic helping relationships with clients. Students will complete an independent applied skills assignment during their professional practice placement. They will learn to assess clients' needs and how to best meet these needs through the selection of appropriate strategies. The different helping skills models studied will allow students to develop flexible ways of relating to clients in a variety of context.

## OCCP3052

### Research Project in Leisure and Health Health Sciences

**Credit points:** 4 **Session:** Semester 2 **Classes:** 3hr tutorial for 7 weeks  
**Assessment:** 1500 word essay (40%), 3000 word essay (60%), attendance requirement, presentation (hurdle requirement) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

*Note: Department permission required for enrolment. Note: This unit is only available to students after completion of 4 semesters (full-time equivalent) of the course*

**Associated degrees:** B App Sc (Leis&Hlth), B Hlth Sc (Hons), B Hlth Sci, UG Study Abroad Program.

This unit of study allows students to research and investigate an area that is of particular professional interest to them. It provides opportunities for students to further develop specialised knowledge and skills through an examination and critical review of the literature and the writing of a research paper which demonstrates an in-depth investigation and integration of information from a variety of sources.

## OCCP3059

### Outdoor Recreation and Education Health Sciences

**Credit points:** 4 **Session:** Semester 2 **Classes:** On-campus mode: four 4hr lecture/week, 4 day camp plus 16hrs study, intensive workshop delivery  
**Assumed knowledge:** Communication skills, basic counselling skills  
**Assessment:** Outdoor education program plan and evaluation. Compulsory attendance on camp **Practical field work:** On-campus mode: 2-4 days camp. Off-campus students: 2-4 days field visits **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Leis&Hlth), B Hlth Sci.

This unit's focus is outdoor education in adventure based practice and is comprised of three major components. The first component introduces the notions of experiential education and 'reflection in learning' using associated theories and definitions and the practical application of critical reflection in learning. The second component examines perceptions of skill and risk, the notion of challenge, personal growth and development and moving beyond one's comfort zone. The third component explores the processing of learning through a variety of debriefing methods including the Outward Bound model, frontloading, and metaphoric transference of learning. The third module is taught in block mode, usually over two days at an outdoor education centre where students practise advanced debriefing skills in real adventure experiences. A fee is payable by students for the latter part of the program.

## OCCP3060

### Client Groups II Health Sciences

**Credit points:** 3 **Session:** Semester 2 **Classes:** 2hr lecture/week, WebCT  
**Prerequisites:** OCCP2073 Client Groups 1 or OCCP2061 Client Groups 1  
**Assessment:** 1500 word essay (40%), 1hr group presentation (40%), supporting

report (20%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Leis&Hlth), B App Sc (Leis&Hlth)Hons, UG Study Abroad Program.

This unit will continue to develop and integrate expertise in supporting people participating in leisure programs who experience various disabilities. Current legislation and policy related to these client groups will be examined and approaches to policy development discussed. The unit continues to provide students with an understanding of the ways in which clinical and community environments affect participation in leisure and recreation which was commenced in earlier units.

## OCCP3061

### Professional Practice IIIA Health Sciences

**Credit points:** 12 **Teacher/Coordinator:** Ms Nicola Hancock **Session:** Semester 1, Semester 2, Summer Main **Classes:** Clinical/fieldwork placement  
**Prerequisites:** OCCP2081 Professional Practice II **Assessment:** Performance report, presentation, assignment **Practical field work:** Clinical placement, 7 weeks **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B App Sc (OT), B App Sc (OT) Hons, UG Summer/Winter School.

This unit of study provides students with opportunities to demonstrate professional behaviours, integrate and apply theory and skills learned in the previous four semesters of Professional Practice and other units in the course to occupational therapy service provision; assessing, determining goals, planning, implementing, evaluating, reporting and documenting, with guidance/supervision from one or more fieldwork educators. Students will be consolidating and expanding on previous knowledge and skills.

## OCCP3064

### Human Occupations III Health Sciences

**Credit points:** 3 **Session:** Semester 2 **Classes:** Eleven 1hr lectures, seven 2hr tutorials **Assessment:** 10min presentation (pairs) (10%), 1500 word assignment (pairs) (40%), 1500 word assignment, attendance requirements **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT), B App Sc (OT) Hons, UG Study Abroad Program.

This unit examines the area of productivity, including occupational choice, paid and non-paid work and productivity throughout the lifespan. Students will be given the opportunity to analyse productivity occupations, study the organisational systems in which they are performed and assess individual functional capabilities for work. The selection of occupational therapy intervention strategies to improve human performance in the area of productivity will be outlined.

## OCCP3065

### Professional Practice IIIB Health Sciences

**Credit points:** 12 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Clinical/fieldwork placement (7 weeks) **Prerequisites:** OCCP2081 Professional Practice II **Assessment:** Presentation, performance reports **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B App Sc (OT), B App Sc (OT) Hons, UG Summer/Winter School.

This unit of study provides students with opportunities to demonstrate professional behaviours and integrate and apply theory and skills learned in previous units of study in the course to occupational therapy service provision with guidance/supervision from one or more fieldwork educators.

## OCCP3066

### Components of Occ Performance III

## Health Sciences

**Credit points:** 5 **Session:** Semester 2 **Classes:** Unit 1: Twelve 2hr lectures; unit 2: Thirteen 1hr lectures, four 2hr tutorials **Assessment:** Unit 1: 2hr exam (50%); unit 2: 1500 word assignment (30%), independent inquiry tasks (20%). Students must pass both units **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT), B App Sc (OT) Hons, UG Study Abroad Program.

This unit of study examines the cognitive component in order to identify and intervene when human performance deficits exist in this area to restore, maintain and enhance human occupational performance. The intra-personal and inter-personal components in occupational therapy mental health practice area will also be studied further.

### OCCP3067

#### Professional Practice IIIA

##### Health Sciences

**Credit points:** 18 **Session:** Semester 1 **Classes:** Clinical/fieldwork placement **Prerequisites:** OCCP2083 Professional Practice IIB **Assessment:** Fieldwork performance, WebCT entries, assignments **Practical field work:** Fieldwork (9 weeks fulltime placement) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Leis&Hlth), B App Sc (Leis&Hlth)Hons.

On campus students will have the opportunity to consolidate their learning through a 9 week placement. During the placement, in the context of a professional relationship with their supervisor, students will integrate academic study with practical experience. The placement will require students, in conjunction with WebCT classes, to implement workplace-based research projects, to further develop their professional identity and to gain mastery of the skills needed in the workplace.

### OCCP3068

#### Professional Practice IIIB

##### Health Sciences

**Credit points:** 4 **Session:** Semester 2 **Classes:** Clinical/fieldwork placement **Prerequisites:** OCCP3067 Professional Practice IIIA **Assessment:** Completion of reports regarding placement performance, placement research evaluation survey **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Leis&Hlth), B App Sc (Leis&Hlth)Hons.

For on-campus students, this unit completes the requirements for professional practice training in the final year of the course. Within this unit, students are required to submit their end of placement reports on their professional practice placements and reports on the research/evaluation projects that they completed during their placements.

### OCCP3069

#### Professional Practice IIIC

##### Health Sciences

**Credit points:** 5 **Session:** Semester 1 **Classes:** Clinical/fieldwork placement **Assessment:** Fieldwork performance, WebCT entries, assignments **Practical field work:** Fieldwork (9 weeks) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Leis&Hlth).

Off-campus students will have the opportunity to consolidate their learning through 315 hours of placement at one agency. Off-campus students will negotiate to take this placement on a full or part-time basis while completing the units OCCP3070 Professional Practice IIID, OCCP3071 Professional Practice IIIE and OCCP3072 Professional Practice IIIF. This placement will require students, in conjunction with WebCT classes, to implement workplace-based research projects, to further develop their professional identity and gain mastery of the skills needed in the workplace.

### OCCP3070

#### Professional Practice IIID

## Health Sciences

**Credit points:** 6 **Session:** Semester 2 **Classes:** Clinical/fieldwork placement **Prerequisites:** OCCP3069 Professional Practice IIIC **Assessment:** Fieldwork performance, WebCT entries, assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Leis&Hlth).

Off-campus students will have the opportunity to consolidate their learning through 315 hours of placement at one agency. Off-campus students will negotiate to take this placement on a full or part-time basis while completing the units OCCP3070 Professional Practice IIID, OCCP3071 Professional Practice IIIE and OCCP3072 Professional Practice IIIF. This placement will require students, in conjunction with WebCT classes, to implement workplace-based research projects, to further develop their professional identity and gain mastery of the skills needed in the workplace.

### OCCP3071

#### Professional Practice IIIE

##### Health Sciences

**Credit points:** 5 **Session:** Semester 1 **Classes:** Clinical/fieldwork placement **Prerequisites:** OCCP3070 Professional Practice IIID **Assessment:** Fieldwork performance, WebCT entries, assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Leis&Hlth).

Off-campus students will have the opportunity to consolidate their learning through 315 hours of placement at one agency. Off-campus students will negotiate to take this placement on a full or part-time basis while completing the units OCCP3070 Professional Practice IIID, OCCP3071 Professional Practice IIIE and OCCP3072 Professional Practice IIIF. This placement will require students, in conjunction with WebCT classes, to implement workplace-based research projects, to further develop their professional identity and gain mastery of the skills needed in the workplace.

### OCCP3072

#### Professional Practice IIIF

##### Health Sciences

**Credit points:** 6 **Session:** Semester 2 **Classes:** Clinical/fieldwork placement **Prerequisites:** OCCP3071 Professional Practice IIIE **Assessment:** Fieldwork performance, WebCT entries, assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment. Note: This unit of study is for off-campus students only*

**Associated degrees:** B App Sc (Leis&Hlth).

Off-campus students will have the opportunity to consolidate their learning through 315 hours of placement at one agency. Off-campus students will negotiate to take this placement on a full or part-time basis while completing the units OCCP3070 Professional Practice IIID, OCCP3071 Professional Practice IIIE and OCCP3072 Professional Practice IIIF. This placement will require students, in conjunction with WebCT classes, to implement workplace-based research projects, to further develop their professional identity and gain mastery of the skills needed in the workplace.

### OCCP4019

#### Honours Research Seminar II

##### Health Sciences

**Credit points:** 4 **Session:** Semester 1 **Classes:** On-campus, 2hrs/week **Assessment:** Ongoing assessments **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Leis&Hlth)Hons, B App Sc (OT) Hons.

The seminar is designed to assist and support honours students with their ongoing research project, to enable them to develop problem-solving strategies in the conduct of research and to develop their skills in oral presentation of research projects. This unit of study also provides a continuing opportunity for honours students to discuss, with relevant staff, concerns regarding data analysis and interpretation related to their individual projects.

## OCCP4051

### Professional Practice IV Health Sciences

**Credit points:** 24 **Session:** Semester 1, Semester 2, Summer Main **Classes:** Clinical/fieldwork placement **Prerequisites:** OCCP3061 Professional Practice IIIA, OCCP3065 Professional Practice IIIB **Assessment:** Fieldwork component (performance report, presentation and assignments) and on-campus component (presentation and assignments) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (OT), UG Summer/Winter School.

This unit of study has one 8 week block placement in a professional setting plus briefings and debriefings and an on-campus component, to facilitate integration of on-and off-campus learning. It provides students with the opportunity to consolidate and further develop, with supervision, knowledge, skills and attitudes necessary for safe and effective delivery of occupational therapy services in both traditional and specialised areas of practice.

## OCCP4056

### OT in Learning & Co-ord Difficulties Health Sciences

**Credit points:** 8 **Session:** Semester 1 **Classes:** Thirteen 4hrs lectures **Assessment:** 1500 word assignment, 1000 word report, 3000 word report, attendance requirements **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program.

This unit will give opportunities for students to study the impact of learning disabilities on children's home and school occupational performance. During the semester, students will study: various explanations of learning disorders; common assessment procedures used by occupational therapists to identify problems; interventions. The focus will be on direct intervention as experienced in private practice occupational therapy for children and consultation with schools. Students will be required to test at least one young child (typical child, rather than children with difficulties) aged between 3-4. Students who participate in this elective will be eligible for fourth year fieldwork placement in a public school in Killara.

## OCCP4062

### Community Based Rehabilitation Health Sciences

**Credit points:** 8 **Session:** Semester 1 **Classes:** Thirteen 2hr lectures **Assessment:** 40min seminar group presentation and handout (40%), 2500 word (per student) manual (group) (60%), attendance requirements **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program.

Many western trained therapists entering community practice (whether in developing countries or developed countries) have little idea of the issues that they will encounter in practice. Developing countries have many years of experience in CBR, therefore we can learn from their experience by firstly reviewing the literature in these areas (most CBR literature is of limited circulation and not easily accessible, if at all, by normal literature review mechanism: this school has an extensive range of literature in the Operation International files to enable people to undertake a review of most pertinent issues). Issues of CBR will be explored and developed to gain a greater understanding of the requirements for working in this area.

## OCCP4063

### Evaluation of OT Programs Health Sciences

**Credit points:** 8 **Session:** Semester 1 **Classes:** Thirteen 4hr lecture/tutorial **Assessment:** 1000 word report (20%), 4000 word report (80%), attendance requirement **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program.

This unit of study gives students the opportunity to utilise their developing research/evaluation knowledge and learn to apply it to occupational therapy program evaluation, one common use of the research process in professional practice. It is designed to introduce students to some of the issues and practices associated with program and professional activity evaluation. The purpose of this unit of study is to help students develop the knowledge and skills that will allow them to write good, practical project and evaluation proposals, the kind that will get supported and will make a positive contribution to addressing client needs and those of the workplace and profession.

## OCCP4068

### OT in Occ Health, Safety & Rehab Health Sciences

**Credit points:** 8 **Session:** Semester 1 **Classes:** Thirteen 4 hr lecture/tutorial **Prerequisites:** OCCP3064 Human Occupations III **Assessment:** 4000 words report (60%), 2000 word report (40%), satisfactory completion of independent learning tasks, attendance requirements **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT), B Hlth Sc (OT), UG Study Abroad Program.

This unit of study gives students the opportunity to extend their knowledge and skills of occupational health, safety and rehabilitation developed in OCCP3064 Human Occupations III and other units of study. Students will explore the issues of work-related injuries and disorders and how these impact on the occupational roles of individuals. There is also input from a sociological perspective. Students will learn how to conduct a functional assessment, including writing a report. There will also be content that addresses relevant ergonomic issues in the workplace and consideration of the hierarchy of controls in determining appropriate interventions, including education and training, as well as workplace modifications. Relevant legislation, regulations and competency standards will be used to guide the content and assessment of this unit.

## OCCP4070

### Research Elective Independent Study Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Various **Session:** Semester 1, Semester 2 **Classes:** Independent study **Assumed knowledge:** BACH1141 Analysing Health Research: General, BACH1143 Designing Health Research, BACH1145 Quantitative Health and Social Research or BACH1139 Health and Research Design: General, or equivalent **Assessment:** 2000 word assignment (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: For Occupation Therapy honours students only*

**Associated degrees:** B App Sc (Leis&Hlth), B App Sc (Leis&Hlth)Hons, B App Sc (OT) Hons.

This unit will function as an independent study program. As with other research elective units, it allows students to pursue an area of study related to the development of knowledge and skills in a specific area of research methodology in preparation for their research thesis. Students will enrol in this unit if the research methods they wish to study are not covered to the extent required in other research electives.

*Textbooks*

Course notes and readings provided dependent on the research methodology

## OCCP4071

### Professional Practice IV (Hons) Health Sciences

**Credit points:** 20 **Session:** Semester 1 **Classes:** Clinical/fieldwork placement **Prerequisites:** OCCP3061 Professional Practice IIIA, OCCP3065 Professional Practice IIIB **Assessment:** Performance report, presentation, assignments **Practical field work:** Clinical placement (6 weeks) **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B App Sc (OT) Hons.

This unit of study has one 6 week block placement in a professional setting plus briefings and debriefings to facilitate the integration of on and off-campus learning. It provides students with the opportunity to

consolidate and further develop, with supervision, the knowledge, skills and attitudes necessary for safe and effective delivery of occupational therapy services in both traditional and specialised areas of practice.

### OCCP4072 Honours Thesis Health Sciences

**Credit points:** 24 **Session:** Semester 2 **Classes:** Independent learning **Assessment:** Thesis (100%) **Campus:** Cumberland **Mode of delivery:** Distance Education or Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT) Hons.

This unit of study provides honours students with the opportunity to undertake a supervised research project in an area of occupational therapy. As part of this and the other honours units of study, each student designs and implements an approved research project and submits a thesis describing the project and its implications. In completing the research and thesis, each student works closely with an academic staff member who serves as the supervisor.

### OCCP4075 Mental Health Interventions Health Sciences

**Credit points:** 8 **Session:** Semester 1 **Classes:** Thirteen 2hr lectures, online components **Assumed knowledge:** OCCP1091 Components of Occ Performance IA, OCCP2044 Components of Occ Performance IIB, OCCP3066 Components of Occ Performance III **Assessment:** Viva (50%), ten in-class quizzes (30%), in-class and WebCT participation (20%), attendance requirements **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT), B Hlth Sc (OT).

This unit of study will extend the students knowledge and practical intervention skills in mental health clinical practice. Intervention skills and strategies developed will be both generic and occupational therapy specific. There will be a large experiential learning component so that students will develop a practical 'how-to' confidence in the clinical application of various techniques with particular consumer populations. In line with current state and national directions, this unit will be guided by principles of wellness and recovery. A range of cognitive focused interventions, psycho-education, family interventions, early intervention, mental health promotion, relapse prevention and strategies to develop effective individual rehabilitation plans are some of the techniques and skills students will develop and practice within this unit.

### OCCP4076 Technology for Living Health Sciences

**Credit points:** 8 **Teacher/Coordinator:** Dr Graeme Smith, Ms Gemma McDonald **Session:** Semester 1 **Classes:** Thirteen 4hr lectures **Assessment:** Case study assessment (50%), class test (30%), debate (20%) **Practical field work:** At least one external visit **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Internet activity is required as part of this course*

**Associated degrees:** B App Sc (OT), B Hlth Sc (OT).

This course evaluates various conceptual frameworks that can aid our understanding of the application of this assistive technology. It also examines various assessment tools that are currently in use in different parts of the world. A thorough study of recent literature and research on the application of modern technology will be a key part of the course. Practical aspects of the course will include demonstrations and hands-on use of modern assistive technologies. Visits will also be undertaken to key assistive technology centres in Sydney. Both theoretical and practical aspects of the course will come together in a series of case studies, drawn from the real experiences of people with a disability.

#### Textbooks

Cook A & Polger J, Cook & Hussey's Assistive Technologies- Principles and Practice (3rd ed), Mosby (2007) contains useful material on most aspects of the course. Students will be directed to journal articles, other reference material and research, much of which is available online

### OCCP4077 Professional Elective - General Health Sciences

**Credit points:** 8 **Session:** Semester 1 **Classes:** Classes/modes of delivery will vary depending on the topic chosen **Assessment:** Two to three pieces of assessment equivalent to 8 credit points, attendance requirements **Campus:** Cumberland **Mode of delivery:** Distance Education or Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT), B Hlth Sc (OT).

This unit of study will present a topic for a professional elective that allows students to explore an area of OT practice in depth. The specific topic will be determined from time to time as teaching staff, visiting scholars and resources are available. The unit will extend the learning students have achieved in the topic in the first three years of the course requiring an increase in the depth of student understanding in the topic area than that required in earlier parts of the course.

### OCCP4078 People with Intellectual Disability Health Sciences

**Credit points:** 8 **Session:** Semester 1 **Classes:** 4hrs/week **Assessment:** 1500 word essay (30%), 500 word site visit report (15%), presentation on fieldwork project (20%), 2000 word report on fieldwork project (35%). Two 250 word individual audit tasks, 85% attendance requirement **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (OT).

This unit aims to develop students' knowledge, skill and attitudes for working with people with intellectual disability, with a focus mainly on adolescents and adults. Students will study: the definition of intellectual disability; the abilities and support needs of people with intellectual disability; the service settings which people with intellectual disability use, and the role of occupational therapists in those settings. There will be a detailed focus on 'Active Support' as one important approach to supporting people with intellectual disability participate fully (with support) in domestic and community life. Students will learn how to use Active Support techniques when working directly with people with intellectual disability, as well as learning how to train and support carers and direct-care staff in the use of these techniques.

#### Textbooks

Readings will be provided throughout the semester

### ORGN1008 Organ Resources 1 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 1hr tut/wk **Assessment:** Essay (2000w) or prac tests (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific resources classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The unit will focus on the development of essential practical skills for organists.

### ORGN1009 Organ Resources 2 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 1hr tut/wk **Prerequisites:** ORGN1008 Organ Resources 1 **Assessment:** Essay (2000w) or prac tests (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific resources classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.



Consolidation of concepts and skills introduced in Organ Resources 1.

### ORGN1601

#### Organ 1

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshop/wk **Corequisites:** ORGN1008 Organ Resources 1 **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific organ repertoire in a chosen programme of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire.

### ORGN1602

#### Organ 2

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshop/wk **Prerequisites:** ORGN1601 Organ 1 **Corequisites:** ORGN1009 Organ Resources 2 **Assessment:** Jury exam assessed by panel of 15-20 mins (instrument specific) 50%. Teacher Grade 50%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific organ repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire.

### ORGN2004

#### Organ 3 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson or equivalent and performance workshop/wk **Prerequisites:** ORGN1005 Organ 2 (Major) **Corequisites:** ORGN2008 Organ Resources 3 **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### ORGN2005

#### Organ 4 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson or equivalent and performance workshop/wk **Prerequisites:** ORGN2004 Organ 3 (Major) **Corequisites:** ORGN2009 Organ Resources 4 **Assessment:** Qualifying Exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. Dip Mus - Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### ORGN2008

#### Organ Resources 3

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 1hr tut/wk **Prerequisites:** ORGN1009 Organ Resources 2 **Assessment:** Essay (2000w) or prac tests (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day   
*Note: Department permission required for enrolment in the following sessions: Semester 2.*

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific resources classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The unit will focus on the development of essential practical skills for organists.

### ORGN2009

#### Organ Resources 4

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 1hr tut/wk **Prerequisites:** ORGN2008 Organ Resources 3 **Assessment:** Essay (2000w) or prac tests (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day   
*Note: Department permission required for enrolment in the following sessions: Semester 1.*

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific resources classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Consolidation of concepts and skills introduced in Organ Resources 3.

### ORGN2603

#### Organ 3

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshop/wk **Prerequisites:** ORGN1602 Organ 2 **Corequisites:** ORGN2008 Organ Resources 3 - BMus(Perf), BMus(MusEd), BMusStudies, BMusStudies/BA, BMusStudies/MBBS or ORGN2703 Organ 3 (Adv) - Dip Mus only **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific organ repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire.

### ORGN2604

#### Organ 4

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshop/wk **Prerequisites:** ORGN2603 Organ 3 **Corequisites:** ORGN2009 Organ Resources 4 - BMus(Perf), BMus(MusEd), BMusStudies, BMusStudies/BA, BMusStudies/MBBS or ORGN2704 Organ 4 (Adv) - Dip Mus only **Assessment:** Jury/qualifying exam assessed by panel 20 - 25 minutes (BMus 25 mins; BMusStud and BMus(MusEd) 20 mins) OR public recital at junior level assessed by panel 40 minutes (Dip Mus only). Teacher grade 20%, Panel grade 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific organ repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going



focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire.

### ORGN2703

#### Organ 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific seminar/wk and/or unit specific masterclasses and/or excursions **Prerequisites:** ORGN1602 Organ 2 **Corequisites:** ORGN2603 Organ 3 **Assessment:** Presentation, performance, essay and/or other participation in unit classes as specified at the start of semester; 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in ORGN1008/1009/2008/2009 Organ Resources 1 - 4.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase stylistic awareness and confidence in performance. This Unit of Study progressively introduces the student to a wide range of organ-specific areas such as organ building and maintenance, tuning and temperament, registration and ornamentation, continuo-playing, liturgical accompaniment and improvisation.

### ORGN2704

#### Organ 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific seminar/wk and/or unit specific masterclasses and/or excursions **Prerequisites:** ORGN2703 Organ 3 (Adv) **Corequisites:** ORGN2604 Organ 4 **Assessment:** Presentation, performance, essay and/or other participation in unit classes as specified at the start of semester; 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in ORGN1008/1009/2008/2009 Organ Resources 1 - 4.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and increase stylistic awareness and confidence in performance. This Unit of Study progressively introduces the student to a wide range of organ-specific areas such as organ building and maintenance, tuning and temperament, registration and ornamentation, continuo-playing, liturgical accompaniment and improvisation.

### ORGN3002

#### Organ 5 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson or equivalent and performance workshop/wk **Prerequisites:** ORGN2005 Organ 4 (Major) **Corequisites:** ORGN3008 Organ Resources 5 **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### ORGN3003

#### Organ Resources 6

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 1hr tut/wk **Prerequisites:** ORGN3008 Organ Resources 5 **Assessment:** Essay (2000w) or prac tests (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific resources classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Consolidation of concepts and skills introduced in Organ Resources 5.

### ORGN3008

#### Organ Resources 5

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 1hr tut/wk **Prerequisites:** ORGN2009 Organ Resources 4 **Assessment:** Essay (2000w) or prac tests (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific resources classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The unit will focus on the development of essential practical skills for organists.

### ORGN3010

#### Organ 6 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson or equivalent and performance workshop/wk **Prerequisites:** ORGN3002 Organ 5 (Major) **Corequisites:** ORGN3003 Organ Resources 6 **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### ORGN3605

#### Organ 5

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshop/wk **Prerequisites:** ORGN2604 Organ 4 **Corequisites:** ORGN3705 Organ 5 (Adv) - B Mus only **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific organ repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire.

### ORGN3606

#### Organ 6

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshop/wk **Prerequisites:** ORGN3605 Organ 5 **Corequisites:** ORGN3706 Organ 6 (Adv) - B Mus only **Assessment:** Public recital at junior level assessed by panel 40 minutes OR jury exam assessed by panel 25 minutes (BMusStud and BMusEd only). Teacher grade 20%. Panel grade 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific organ repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be

self-correcting and independent in approach to analysis and execution of new repertoire

### ORGN3705

#### Organ 5 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific seminar/wk and/or unit specific masterclasses and/or excursions **Prerequisites:** ORGN2704 Organ 4 (Adv) **Corequisites:** ORGN3605 Organ 5 **Assessment:** Presentation, performance, essay and/or other participation in unit classes as specified at the start of semester; 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in ORGN1008/1009/2008/2009/3008/3003 Organ Resources 1 - 6.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase stylistic awareness and confidence in performance. This Unit of Study progressively introduces the student to a wide range of organ-specific areas such as organ building and maintenance, tuning and temperament, registration and ornamentation, continuo-playing, liturgical accompaniment and improvisation.

### ORGN3706

#### Organ 6 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific seminar/wk and/or unit specific masterclasses and/or excursions **Prerequisites:** ORGN3705 Organ 5 (Adv) **Corequisites:** ORGN3606 Organ 6 **Assessment:** Presentation, performance, essay and/or other participation in unit classes as specified at the start of semester; 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in ORGN1008/1009/2008/2009/3008/3003 Organ Resources 1 - 6.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase stylistic awareness and confidence in performance. This Unit of Study progressively introduces the student to a wide range of organ-specific areas such as organ building and maintenance, tuning and temperament, registration and ornamentation, continuo-playing, liturgical accompaniment and improvisation.

### ORGN4001

#### Organ 7 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson or equivalent and performance workshop/wk **Prerequisites:** ORGN3010 Organ 6 (Major) **Corequisites:** ORGN4009 Organ Resources 7 **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### ORGN4002

#### Organ 8 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson or equivalent and performance workshop/wk **Prerequisites:** ORGN4001 Organ 7 (Major) **Corequisites:** ORGN4010 Organ Resources 8 **Assessment:** Recital at Senior level assessed by Panel: 50mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### ORGN4009

#### Organ Resources 7

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 1hr tut/wk **Prerequisites:** ORGN3003 Organ Resources 6 **Assessment:** Essay (2000w) or prac tests (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific resources classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

The unit will focus on the development of essential practical skills for organists.

### ORGN4010

#### Organ Resources 8

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 1hr tut/wk **Prerequisites:** ORGN4009 Organ Resources 7 **Assessment:** Essay (2000w) or prac tests (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific resources classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Consolidation of concepts and skills introduced in Organ Resources 7.

### ORGN4607

#### Organ 7

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 14 one hour individual lessons/semester and performance workshop/week **Prerequisites:** ORGN3606 Organ 6 **Corequisites:** ORGN4707 Organ 7 (Adv) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific organ repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire.

### ORGN4608

#### Organ 8

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** 14 one hour individual lessons/semester and performance workshop/week **Prerequisites:** ORGN4607 Organ 7 **Corequisites:** ORGN4708 Organ 8 (Adv) **Assessment:** Public recital at senior level assess by panel 50 minutes. Teacher grade 20%. Panel grade 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

In this Unit of Study students will develop musical ideas and requisite technical skills to perform to a high level specific organ repertoire in a chosen program of study. Historical and stylistic awareness through research, discussion, and application will be a strong and on-going focus and students will also develop strategies in practice to be self-correcting and independent in approach to analysis and execution of new repertoire.

### ORGN4707

#### Organ 7 (Advanced)

**Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific seminar/wk and/or unit specific masterclasses and/or excursions **Prerequisites:** ORGN3706 Organ 6 (Adv) **Corequisites:** ORGN4607 Organ 7 **Assessment:** Presentation, performance, essay and/or other participation in unit classes as specified at the start of semester; 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in ORGN1008/1009/2008/2009/3008/3003/4009/4010 Organ Resources 1 - 8.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase stylistic awareness and confidence in performance. This Unit of Study progressively introduces the student to a wide range of organ-specific areas such as organ building and maintenance, tuning and temperament, registration and ornamentation, continuo-playing, liturgical accompaniment and improvisation.

**ORGN4708****Organ 8 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Philip Swanton **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific seminar/wk and/or unit specific masterclasses and/or excursions **Prerequisites:** ORGN4707 Organ 7 (Adv) **Corequisites:** ORGN4608 Organ 8 **Assessment:** Presentation, performance, essay and/or other participation in unit classes as specified at the start of semester; 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in ORGN1008/1009/2008/2009/3008/3003/4009/4010 Organ Resources 1 - 8.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and increase stylistic awareness and confidence in performance. This Unit of Study progressively introduces the student to a wide range of organ-specific areas such as organ building and maintenance, tuning and temperament, registration and ornamentation, continuo-playing, liturgical accompaniment and improvisation.

**ORHL1001****Foundations of Oral Health 1****Dentistry**

**Credit points:** 2 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Report and multiple choice exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B O H.

Oral anatomy. Dental anatomy. Basics of infection control.

**ORHL1003****Foundations of Oral Health 2****Dentistry**

**Credit points:** 6 **Session:** Semester 2 **Classes:** Clinical work **Prerequisites:** ORHL1001 **Assessment:** Report and assignments, Station test simulation practical **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B O H.

Introduction to cariology. Introduction to periodontology. Imaging. Extractions. Information systems and clinical record-keeping. Materials science. Clinical reasoning and evidence-based diagnosis.

**ORHL1004****Oral Health Clinical Practice 1****Dentistry**

**Credit points:** 12 **Session:** Semester 2 **Classes:** Clinical work **Assessment:** Report and short answer test, station test and simulation clinical **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B O H.

Examination, diagnosis and treatment planning. Emergency Introduction to cariology. Introduction to periodontology. Imaging. Extractions. Information systems and clinical record-keeping. Instrumentation. Management of the clinical environment.

**ORHL1005****Oral Health Clinical Practice (Intro)****Dentistry**

**Credit points:** 10 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B O H.

Applied infection control. Normal oral health and structure. Recognition of oral diseases. Introduction to the management of oral disease. Impressions and study models. Introduction to assessment, examination, diagnosis and treatment planning. Emergency. Management of clinical environment.

**ORHL2001****Foundations of Oral Health 3****Dentistry**

**Credit points:** 3 **Session:** Semester 1 **Classes:** Clinical work **Prerequisites:** ORHL1003 **Assessment:** Report and multiple choice exam, assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B O H.

Histology, medicine, nutrition, prevention, toxicology, imaging, pain management, tooth restoration

**ORHL2002****Oral Health Clinical Practice II****Dentistry**

**Credit points:** 15 **Session:** Semester 1 **Classes:** Clinical work **Prerequisites:** ORHL1004 **Assessment:** Report and station test, simulation practical, oral **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B O H.

Assessment, examination, diagnosis and treatment planning. Behavioural science. Biochemistry. Cariology. Clinical reasoning and evidence-based diagnosis. Emergency. Imaging. Impression and study models. Infection control. Information systems. Instrumentation. Management of the clinical environment. Nutrition. Occupational health and safety. Pain management. Periodontal disease. Prevention. Tooth restoration.

**ORHL2003****Oral Health Clinical Practice III****Dentistry**

**Credit points:** 15 **Session:** Semester 2 **Classes:** Clinical work **Corequisites:** ORHL2002 **Assessment:** Report and assignments, station test, clinical practical, oral **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B O H.

Assessment, examination, diagnosis and treatment planning. Behavioural science. Cariology. Clinical reasoning and evidence-based diagnosis. Extractions. Imaging. Impression and study models. Infection control. Information systems. Instrumentation. Management of the clinical environment. Nutrition. Orthodontics. Pain management. Periodontal disease. Prevention. Pulp disease. Tooth restoration.

**ORHL2004****Clinical - Hygiene and Therapy****Dentistry**

**Session:** S1 Late Int, S2 Late Int **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B O H.

Intensive course in Clinical Work. Practical sessions in Dental Therapy and Hygiene and clinical work. There will be an assessment at the end of the course.

**ORHL3001****Foundations of Oral Health 4**

## Dentistry

**Credit points:** 3 **Session:** Semester 1 **Classes:** Clinical work **Prerequisites:** ORHL2001 **Assessment:** Report and multiple choice test, station test, assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B O H.

Human growth and development. Medicine. Nutrition. Pathology. Toxicology

## ORHL3002

### Oral Health in Society 1 Dentistry

**Credit points:** 3 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Report and multiple choice test, assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B O H.

Care of the whole patient. Community development. Diet and oral health. Epidemiology and biostatistics. Ethical and legal environment, including informed consent. Health systems and health environment. Marketing and promotion. Occupational health and safety. Oral care needs of identified groups - paediatric, geriatric, special needs (e.g. disabled), medically compromised, ATSI and others. Population health. Public Health Dentistry. Quality assurance. Research methods.

## ORHL3003

### Oral Health Clinical Practice 4 Dentistry

**Credit points:** 18 **Session:** Semester 1 **Classes:** Clinical work **Prerequisites:** ORHL2003 **Assessment:** Report, multiple choice test, station test, clinical practical, oral **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B O H.

Assessment, examination, diagnosis and treatment planning. Behavioural science. Cariology. Clinical reasoning and evidence-based diagnosis. Emergency procedures. Extractions. Imaging. Impression and study models. Infection control. Information systems. Instrumentation. Management of the clinical environment. Nutrition. Occupational health and safety. Oral care for identified groups - paediatric, geriatric, special needs (e.g. disabled), medically compromised, ATSI and others. Oral prosthesis management. Orthodontics. Pain management. Periodontal disease. Prevention. Pulp disease. Tooth restoration.

## ORHL3004

### Foundations of Oral Health 5 Dentistry

**Credit points:** 3 **Session:** Semester 2 **Classes:** Clinical work **Prerequisites:** ORHL3001 **Assessment:** Report and multiple choice exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B O H.

Medicine. Nutrition.

## ORHL3005

### Oral Health in Society 2 Dentistry

**Credit points:** 3 **Session:** Semester 2 **Classes:** Clinical work **Prerequisites:** ORHL3002 **Assessment:** Report and multiple choice exam, project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B O H.

Care of the whole patient. Community development. Diet and oral health. Epidemiology and biostatistics. Ethical and legal environment, including informed consent. Health systems and health environment. Marketing and promotion. Occupational health and safety. Oral care needs of identified groups - paediatric, geriatric, special needs (e.g. disabled), medically compromised, ATSI and others. Population health. Public Health Dentistry. Quality assurance. Research methods.

## ORHL3006

### Oral Health Clinical Practice 5

## Dentistry

**Credit points:** 18 **Session:** Semester 1, Semester 2 **Classes:** Clinical work **Prerequisites:** ORHL3002 **Assessment:** Station test, clinical practical, oral, case presentations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B O H.

Assessment, examination, diagnosis and treatment planning. Behavioural science. Cariology. Clinical reasoning and evidence-based diagnosis. Emergency procedures. Extractions. Imaging. Impression and study models. Infection control. Information systems. Instrumentation. Management of the clinical environment. Nutrition. Occupational health and safety. Oral care for identified groups - paediatric, geriatric, special needs (e.g. disabled), medically compromised, ATSI and others. Oral prosthesis management. Orthodontics. Pain management. Periodontal disease. Prevention. Pulp disease. Tooth restoration.

## ORTH2059

### The Eye and Vision Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Rose **Session:** Semester 1 **Classes:** This unit of study will be delivered using varied methods including; face-to-face lectures, tutorials and online learning **Assessment:** Practical skills (30%), community placement and reflection report (10%), written exam, Wks 15-16 (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sci, M C V S.

In this subject, the normal eye and ocular systems will be introduced. The unit commences with basic anatomy, embryology, physiology and optics of the eye using a systematic approach, followed by sensory visual functions and nourishment and protective systems of the eye. There is an introduction to the specialised methods of testing in a paediatric population. Basic clinical skills and assessment will be introduced, including testing of visual acuity, colour vision and contrast sensitivity. This unit of study is also offered by the discipline of Applied Visual Sciences as an elective to all students enrolled in the Bachelor of Health Sciences.

## ORTH2060

### Disability and Vision Impairment Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Elaine Cornell **Session:** Semester 2 **Classes:** This unit of study will be delivered using varied methods including face-to-face and online delivery **Assessment:** Group work, case studies **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sci, M C V S.

In this unit of study, the common causes of vision impairment will be introduced, with emphasis on the nature of the rehabilitation process. Students will be encouraged to identify the person's particular needs and be aware of available strategies that can help to meet these needs. This subject is offered as an elective to all students enrolled in the Bachelor of Health Sciences.

*Textbooks*

No set textbooks: students will have access to a wide range of learning materials

## ORTH3050

### Assess and Manage Refractive Errors Health Sciences

**Credit points:** 5 **Teacher/Coordinator:** Mr Nathan Clunas **Session:** Semester 1 **Classes:** Block mode: eight days 9am-3pm and five 4hr tutorials/semester **Corequisites:** ORTH3062 Professional Practice IIIA, ORTH3063 Professional Practice IIIB or ORTH3064 Professional Practice IIHA, ORTH3065 Professional Practice IIIB **Assessment:** Practical exam (45%), 2hr exam (45%), WebCT discussion (5%) workbook, video assessment, refraction autobiography (5%) **Campus:** Cumberland **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Orth), B App Sc (Orth), B App Sc (Orth)Hons.

This unit will extend preliminary knowledge of refractive errors to include more complex refractive error topics such as understanding latent

and manifest hypermetropia, aetiology of myopia, progressive myopia and keratoconus. Emphasis will be placed on the clinical evaluation of refractive error including methods of objective and subjective refraction as well as A scan ultrasonography. Correction of refractive errors by both optical and surgical methods will also be a focus of this unit. Aspects of optical dispensing, fitting of contact lenses and surgical correction of refractive errors will be included.

### ORTH3054

#### Orbital & Restrictive Conditions Health Sciences

**Credit points:** 5 **Teacher/Coordinator:** Assoc Prof Elaine Cornell **Session:** Semester 2 **Classes:** 3hr lecture, classroom group work/week **Prerequisites:** ORTH2043 Concomitant Strabismus B **Corequisites:** ORTH3055 Instrumentation III **Assumed knowledge:** Ocular anatomy and physiology of ocular muscles, basic knowledge of the total visual system, sensory and motor, ORTH2047 Concomitant Strabismus A **Assessment:** Class test (30%), 2hr exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Orth), B App Sc (Orth), B App Sc (Orth)Hons.

The clinical features of recent onset defects of each extraocular muscle will be studied, including the response to clinical tests. The causes, special investigation and management of restrictive/mechanical and orbital defects will be emphasised.

### ORTH3055

#### Instrumentation III Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Assoc Prof Elaine Cornell **Session:** Semester 2 **Classes:** 3hr practical tutorials/week **Corequisites:** ORTH3054 Orbital and Restrictive Conditions **Assumed knowledge:** Incomitant strabismus in a variety of age populations **Assessment:** Practical assessment (50%), ongoing assessment (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Orth), B App Sc (Orth), B App Sc (Orth)Hons.

The instrumentation techniques for the investigation and management of incomitant strabismus will be taught and practiced in tutorial groups.

### ORTH3056

#### Rehabilitation in Childhood Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathryn Rose **Session:** Semester 2 **Classes:** 3hr lecture/week **Assumed knowledge:** Normal paediatric development, embryology **Assessment:** Online class test (50%), written evaluation (30%), presentation (10%), WebCT contribution (10%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Orth), B App Sc (Orth), B Hlth Sci, B Hlth Sci, M C V S.

The management of children with permanent visual impairment, learning difficulties and the orthoptist's role in the management of children with developmental delay are studied.

### ORTH3057

#### Orthoptics in Paediatrics Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathryn Rose **Session:** Semester 2 **Classes:** 3hr lecture/week **Assumed knowledge:** ORTH3062 Professional Practice IIIA and ORTH3063 Professional Practice IIIB or ORTH3064 Professional Practice IIIHA and ORTH3065 Professional Practice IIIB **Assessment:** Class presentation (40%), 2hr exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Orth), B App Sc (Orth), B App Sc (Orth)Hons.

This unit explores testing procedures for the paediatric population with emphasis on their relationship to visual development and vision acuity assessment. Common presenting problems in the paediatric age group resulting in visual disorders are studied. The purpose of vision screening is also reviewed with emphasis on examining current practice and controversies.

### ORTH3058

#### Orthoptics in Neurology Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Mrs Kathryn Thompson **Session:** Semester 2 **Classes:** 3hr lecture, classroom group work/week **Assumed knowledge:** ORTH3062 Professional Practice IIIA, ORTH3063 Professional Practice IIIB or ORTH3064 Professional Practice IIIHA, ORTH3065 Professional Practice IIIB **Assessment:** Class test (30%), 2hr exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Orth), B App Sc (Orth), B App Sc (Orth)Hons.

This unit of study will consider the principles of neurological investigation including history taking, visual acuity assessment, visual field testing principles (confrontation, Bjerrum, Goldmann, pitfalls of automated perimetry for neurological field defects and colour fields), pupils, colour vision tests, testing of afferent pathways, radiological imaging, electrodiagnostic testing and the efferent testing of non-ocular cranial nerves and states of consciousness. A range of disorders affecting the optic nerve will be studied. Other conditions to be studied include headaches, disorders of the facial nerves and transient visual loss.

### ORTH3059

#### Research Proposal Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Dr Kathryn Rose **Session:** Semester 2 **Classes:** Supervised individual student activity **Assumed knowledge:** Research knowledge and skills introduced by the subject BACH4047 Developing a Research Project **Assessment:** Ethics/literature review (100%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Orth)Hons.

Through the semester the student will develop their specific research question underpinned by a thorough analysis in the form of a literature review, including appropriate research design, an examination of the implications of the proposed research and the submission of an application for approval to the appropriate University Ethics Committee.

### ORTH3062

#### Professional Practice IIIA Health Sciences

**Credit points:** 10 **Teacher/Coordinator:** Mrs Susan Silveira **Session:** Semester 1 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH2043 Concomitant Strabismus B, ORTH2047 Concomitant Strabismus A, ORTH2054 Professional Practice II, ORTH2057 Instrumentation IIA, ORTH2058 Instrumentation IIB **Assumed knowledge:** ORTH2055 Cataract & Ocular Surface Involvement, ORTH2056 Glaucoma & Ocular Emergencies **Assessment:** Concomitant squint exam (70%), trial concomitant squint investigation (10%), online concomitant case study (20%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Orth), B App Sc (Orth), UG Summer/Winter School.

Students will gain clinical experience in the investigation and management of concomitant strabismus. This will include consolidation of theory presented in the program so far. Students will be required to maintain a close liaison with the clinical coordinator and attend case analysis sessions at the School. Students will also carry out a clinical project during this placement.

### ORTH3063

#### Professional Practice IIIB Health Sciences

**Credit points:** 9 **Teacher/Coordinator:** Mrs Susan Silveira **Session:** Semester 1 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH2043 Concomitant Strabismus B, ORTH2047 Concomitant Strabismus A, ORTH2054 Professional Practice II, ORTH2057 Instrumentation IIA, ORTH2058 Instrumentation IIB **Assumed knowledge:** ORTH2055 Cataract & Ocular Surface Involvement, ORTH2056 Glaucoma & Ocular Emergencies **Assessment:** Ophthalmic clinical exam (70%), ophthalmic skills manual (10%), online case study (20%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Orth), B App Sc (Orth).

Students will gain clinical experience in the investigation and management of cataract and glaucoma and other ophthalmic skills. This will include consolidation of theory presented in the program so far. Students will be required to maintain a close liaison with the clinical coordinator and attend case analysis sessions at the School. Students will also carry out a clinical project during this placement.

#### ORTH3064

##### Professional Practice IIIHA Health Sciences

**Credit points:** 8 **Teacher/Coordinator:** Mrs Susan Silveira **Session:** Semester 1 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH2054 Professional Practice II, ORTH2057 Instrumentation IIA, ORTH2058 Instrumentation IIB, ORTH2047 Concomitant Strabismus A, ORTH2043 Concomitant Strabismus B **Assumed knowledge:** ORTH2055 Cataract & Ocular Surface Involvement, ORTH2056 Glaucoma & Ocular Emergencies **Assessment:** Concomitant squint exam (70%), trial concomitant squint investigation (10%), online concomitant case study (20%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Orth)Hons.

Students will gain clinical experience in the investigation and management of concomitant strabismus. This will include consolidation of theory presented in the program so far. Students will be required to maintain a close liaison with the clinical coordinator and attend case analysis sessions at the School. Students will also carry out a clinical project during this placement.

#### ORTH3065

##### Professional Practice IIIHB Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mrs Susan Silveira **Session:** Semester 1 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH2054 Professional Practice II, ORTH2057 Instrumentation IIA, ORTH2058 Instrumentation IIB, ORTH2047 Concomitant Strabismus A, ORTH2043 Concomitant Strabismus B **Assumed knowledge:** ORTH2055 Cataract & Ocular Surface Involvement, ORTH2056 Glaucoma & Ocular Emergencies **Assessment:** Ophthalmic clinical exam (70%), ophthalmic skills manual (10%), online case study (20%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Orth)Hons.

Students will gain clinical experience in the investigation and management of cataract and glaucoma and other ophthalmic skills. This will include consolidation of theory presented in the program so far. Students will be required to maintain a close liaison with the clinical coordinator and attend case analysis sessions at the School. Students will also carry out a clinical project during this placement.

#### ORTH4020

##### Neurological Eye Movement Disorders Health Sciences

**Credit points:** 5 **Teacher/Coordinator:** Assoc Prof Elaine Cornell, Mrs Neryla Jolly **Session:** Semester 1 **Classes:** 3hr lecture/week **Prerequisites:** ORTH3055 Instrumentation III **Assumed knowledge:** Anatomy and physiology of the visual pathway with emphasis on the motor pathway; ORTH3054 Orbital and Restrictive Conditions **Assessment:** Class test (30%), 2hr exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Orth), B App Sc (Orth), B App Sc (Orth)Hons.

This unit of study explores the disorders of the cortical, brain stem and infranuclear control of eye movements along with their special assessment procedures and management. On completion of this unit, the student will be able to analyse and select appropriate test procedures and develop management of the complex eye disorders.

#### ORTH4021

##### Orthoptics in Adult Practice Health Sciences

**Credit points:** 4 **Session:** Semester 1 **Classes:** 3hr lecture/week **Assumed knowledge:** Relevant ocular anatomy and systemic disease processes **Assessment:** Class test (30%), 2hr exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Orth), B App Sc (Orth)Hons.

This unit of study consists of a series of modules which include ageing of body systems and ocular structures; retinal vascular disorders; macular disorders. Complex cases that reflect multifactorial disorders such as patients with glaucoma and cataracts will be used to demonstrate the orthoptist's role in adult practice.

#### ORTH4022

##### Orthoptics in Ophthalmic Practice Health Sciences

**Credit points:** 4 **Session:** Semester 1 **Classes:** 3hr lecture/week **Assessment:** Class test (30%), 2hr exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Orth), B App Sc (Orth)Hons.

Learning in this unit will cover the following key areas: inflammation of the eye; contact lens complications; trauma; surgical asepsis, minor surgical procedures, assisting in surgical procedures; and the orthoptist in ophthalmic practice management. By the end of the unit, the student will be able to identify strongly with the role the orthoptist plays in ophthalmic practice.

#### ORTH4023

##### Professional Studies Health Sciences

**Credit points:** 5 **Teacher/Coordinator:** Mrs Neryla Jolly **Session:** Semester 1 **Classes:** 3hr lecture/week **Assumed knowledge:** All ocular motility/professional units of study **Assessment:** Four case studies (10% ea), oral case analysis (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Orth), B App Sc (Orth)Hons.

In this unit, special issues relating to professional practice are discussed, covering complex case studies, medicolegal issues, ethics and occupational health and safety.

#### ORTH4024

##### Rehabilitation for Vision Impairment Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Assoc Prof Elaine Cornell **Session:** Semester 1 **Classes:** 3hr lecture/week **Assumed knowledge:** Relevant ocular anatomy and systemic disease processes **Assessment:** Case study, small group assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education

**Associated degrees:** B App Sc (Orth).

During this unit of study, the nature of the rehabilitation process will be explored in relation to individuals who are visually impaired and those with associated conditions such as motor impairment from stroke. The orthoptist's role beyond the clinical environment will be addressed. By the end of the unit, the student will be able to demonstrate an understanding of the implication of vision impairment on all aspects of an individual's life and show an awareness of appropriate low vision services available in Australia.

#### ORTH4026

##### Clinical Project Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Kathryn Rose **Session:** Semester 1, Semester 2 **Classes:** Supervised individual student activity **Assumed knowledge:** Principles of research project design **Assessment:** 1500 word written report **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (Orth).

This unit of study provides the student with the opportunity to carry out a structured clinical exercise in a professional area.

#### ORTH4027

##### Professional Practice IVHA Health Sciences

**Credit points:** 3 **Session:** Semester 1 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH3064 Professional Practice IIIHA,

ORTH3065 Professional Practice IIIHB, ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III **Assessment:** Written assignments **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B App Sc (Orth), B App Sc (Orth)Hons.

This unit of study will provide honours students with the opportunity to carry out activities relevant to their area of research, e.g. in the clinical environment.

#### ORTH4028

##### Research Report A Health Sciences

**Credit points:** 3 **Session:** Semester 1 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Orth), B App Sc (Orth)Hons.

This unit will provide the student with the opportunity to begin writing their final research report. Students will attend individual meetings with their supervisor and group research meetings.

#### ORTH4030

##### Research Report B Health Sciences

**Credit points:** 9 **Session:** Semester 2 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Orth), B App Sc (Orth)Hons.

This unit will provide the student with the opportunity to continue writing their final research report. Students will attend individual meetings with their supervisor and group research meetings. The findings from the honours research project will be presented in a research report in a form suitable for submission for publication in a refereed journal.

#### ORTH4035

##### Professional Practice IVA Health Sciences

**Credit points:** 8 **Session:** Semester 1, Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH3062 Professional Practice IIIA, ORTH3063 Professional Practice IIIB, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies **Assessment:** Complex squint exam (70%), online case study (20%), trial exam (10%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (Orth), B App Sc (Orth), UG Summer/Winter School.

This unit provides the clinical experiences that consolidate the Year 3, Semester 2 and Year 4, Semester 1 theoretical studies, as well as providing opportunity to integrate all components of the course. Students will gain clinical experience in the investigation and management of complex strabismus.

#### ORTH4036

##### Professional Practice IVB Health Sciences

**Credit points:** 8 **Session:** Semester 1, Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH3062 Professional Practice IIIA, ORTH3063 Professional Practice IIIB, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies **Assessment:** Ophthalmic clinical exam (70%), online case study (20%), supervisors report (10%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (Orth), B App Sc (Orth).

This unit provides the clinical experiences that consolidate the Year 3, Semester 2 and Year 4, Semester 1 theoretical studies as well as providing opportunity to integrate all components of the course. Students will gain clinical experience in advanced ophthalmic practice.

#### ORTH4037

##### Professional Practice IVC

#### Health Sciences

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH3062 Professional Practice IIIA, ORTH3063 Professional Practice IIIB, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies **Assessment:** Online case study (50%), reflection report (50%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (Orth), B App Sc (Orth).

This unit provides students with the opportunity to gain clinical experience in an elective area of choice such as refractive surgery, low vision, paediatrics and rehabilitation.

#### ORTH4045

##### Professional Practice IVHBA Health Sciences

**Credit points:** 5 **Session:** Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH3064 Professional Practice IIIHA, ORTH3065 Professional Practice IIIHB, ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH4027 Professional Practice IVHA, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies **Assessment:** Complex squint exam (70%), online case study (20%), trial exam (10%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B App Sc (Orth)Hons.

This unit provides the clinical experiences that consolidate the Year 3, Semester 2 and Year 4, Semester 1 theoretical studies as well as providing opportunity to integrate all components of the course. Students will gain clinical experience in the investigation and management of complex strabismus.

#### ORTH4046

##### Professional Practice IVHBB Health Sciences

**Credit points:** 5 **Session:** Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH3064 Professional Practice IIIHA, ORTH3065 Professional Practice IIIHB, ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH4027 Professional Practice IVHA, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies **Assessment:** Online case study (50%), reflection report (50%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B App Sc (Orth)Hons.

This unit provides the clinical experiences that consolidate the Year 3, Semester 2 and Year 4, Semester 1 theoretical studies as well as providing opportunity to integrate all components of the course. Students will gain clinical experience in advanced ophthalmic practice.

#### ORTH4047

##### Professional Practice IVHBC Health Sciences

**Credit points:** 5 **Session:** Semester 2 **Classes:** Supervised individual student clinical placement **Prerequisites:** ORTH3064 Professional Practice IIIHA, ORTH3065 Professional Practice IIIHB, ORTH3054 Orbital and Restrictive Conditions, ORTH3055 Instrumentation III, ORTH4027 Professional Practice IVHA, ORTH4020 Neurological Eye Movement Disorders, ORTH4023 Professional Studies **Assessment:** Online case study (50%), reflection report (50%) **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B App Sc (Orth)Hons.

This unit provides students with the opportunity to gain clinical experience in an elective area of choice such as refractive surgery, low vision, paediatrics and rehabilitation.





# University undergraduate units of study – P

## PACS2002

### History and Politics of War and Peace

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Wendy Lambourne **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points, of which 6 must be in either HSTY, GOVT, SCLG or LAWS **Assessment:** tutorial attendance and one oral presentation; one 750 word tutorial exercise; one 3000 word essay; and 1 hour 1000 word in-class exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is taught jointly with the Department of History and can be counted towards a History major.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This unit will examine the history of the causes of war and the processes and outcomes of peacemaking, with particular emphasis on attempts to limit the frequency and severity of war and the creation of instruments of collective security, notably after the Thirty Years War (Treaty of Westphalia, 1746), the Revolutionary Napoleonic Wars (the Congress of Vienna, 1815), the First World War (the League of Nations, 1919), and the Second World War (the United Nations, 1945).

#### Textbooks

Reader to be available at the Copy Centre

## PALI1001

### Pali A

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Allon **Session:** Semester 1 **Classes:** 3 hours per week **Assessment:** Class work and tests (equivalent to 2500 words), 2 hour exam (equivalent to 2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

Pali is a major canonical language of Buddhism. The scriptures of the Theravada School of Buddhism, which represent the oldest Buddhist writings preserved in an Indic language, are in Pali as are the commentaries and historical literature of the School. This unit will provide a grounding in the language and enable the student to read simple texts in Pali.

#### Textbooks

Warder, A. K., Introduction to Pali (Pali Text Society, Oxford, 1991)

## PALI1002

### Pali B

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Allon **Session:** Semester 2 **Classes:** 3 hours per week **Prerequisites:** PALI1001 **Assessment:** Class work and tests (equivalent to 2500 words), 2 hour exam (equivalent to 2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is an extension of Pali A. By the end of the unit students will have completed Pali grammar and be in a position to read both scriptures and commentaries.

#### Textbooks

Warder, A. K., Introduction to Pali (Pali Text Society, Oxford, 1991)

## PCOL2011

### Pharmacology Fundamentals Medicine

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures per week; tutorials and laboratory sessions. **Prerequisites:** (6 credit points of Junior Chemistry) and (6 credit points of Junior Biology or MBLG (1001 or 1901)). **Prohibitions:** PCOL2001 **Assessment:** One 2 hour exam, in semester quizzes

and reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program.

This unit of study examines four basic areas in Pharmacology: (1) principles of drug action (2) pharmacokinetics and drug metabolism (3) autonomic and endocrine pharmacology, and (4) drug design. The delivery of material involves lectures, practicals, computer-aided learning and problem-based tutorials. Practical classes provide students with the opportunity of acquiring technical experience and teamwork skills. Problem-based tutorials are based on real-life scenarios of drug use in the community. These tutorials require students to integrate information obtained in lectures in order to provide solutions to the problems. Online quizzes accompany each module for self assessment.

#### Textbooks

Rang HP, Dale MM, Ritter JM & Moore PK, Pharmacology. 5th edn, Churchill Livingstone, 2003.

#### Study aid:

Neal MJ, Medical Pharmacology at a Glance. 4th edn, Blackwell Science, 2002

#### Reference books

Goodman and Gilman's The Pharmacological Basis of Therapeutics 10th edn, editors JG Hardman, LE Limbird, 2001.

Patrick GL, An Introduction to Medicinal Chemistry 2nd edn, Oxford Uni press, 2001.

## PCOL2012

### Pharmacology: Drugs and People Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr B McParland **Session:** Semester 2 **Classes:** Two 1 hour lectures per week; tutorials and laboratory sessions. **Prerequisites:** (6 credit points of Junior Chemistry) and (6 credit points of Junior Biology or MBLG (1001 or 1901)). **Prohibitions:** PCOL2002, PCOL2003 **Assumed knowledge:** PCOL2011 **Assessment:** One 2 hour exam, in semester quizzes, reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program.

This unit of study examines four important areas of Pharmacology: (1) drug action in the nervous system (2) drug discovery and development (3) pharmacotherapy of inflammation, allergy and gut disorders, and

(4) drugs of recreation, dependence and addiction. The delivery of material involves lectures, practicals, computer-aided learning and problem-based tutorials. Practical classes provide students with the opportunity of acquiring technical experience and teamwork. Problem-based tutorials are based on real-life scenarios of drug use in the community. These tutorials require students to integrate information obtained in lectures in order to provide solutions to the problems. Online quizzes accompany each module.

#### Textbooks

Rang HP, Dale MM, Ritter JM & Moore PK, Pharmacology. 5th edn, Churchill Livingstone, 2003.

#### Study aid:

Neal MJ, Medical Pharmacology at a Glance. 4th edn, Blackwell Science, 2002

#### Reference books

Goodman and Gilman's The Pharmacological Basis of Therapeutics 10th edn, editors JG Hardman, LE Limbird, 2001.

## PCOL2551

### Pharmacology Exchange Medicine

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester



2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## PCOL2552

### Pharmacology Exchange Medicine

**Credit points:** 8 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## PCOL2553

### Pharmacology Exchange Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## PCOL2554

### Pharmacology Exchange Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## PCOL2555

### Essentials of Pharmacology Medicine

**Credit points:** 6 **Session:** Summer Main **Classes:** On-line lectures and face-to-face tutorial and laboratory classes. **Prohibitions:** PCOL2011, PCOL2012 **Assumed knowledge:** 6cp of Junior Biology, 6 cp of junior Chemistry. **Assessment:** on-line quizzes and a final examination **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

**Associated degrees:** UG Summer/Winter School.

This unit of study introduces students to the principles of drug action and allows them to develop an understanding of the therapeutic applications of drugs based on their underlying pharmacodynamic properties. It covers cardiovascular and renal drugs, chemotherapy, analgesics and anti-inflammatory agents, respiratory and gastro-intestinal drugs, drugs affecting peripheral and central neurotransmission and the principles of chemotherapy.

## PCOL2556

### Pharmacology Exchange

## Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## PCOL2557

### Pharmacology Exchange Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## PCOL2605

### Pharmacology for Pharmacy Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Kellie Charles **Session:** Semester 2 **Classes:** 4 lect/wk, 13 hours prac/workshop/tutorial **Prerequisites:** CHEM1611 and CHEM1612 and (BIOL1003 or BIOL1903) and MBLG1001 **Corequisites:** PHSI2601 **Assessment:** 1x2hr exam (70%), continuous assessment (lab reports or assignments) (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, UG Study Abroad Program.

This unit of study provides a basic understanding of drug actions related to physiological and pathological functions. It covers areas of drug-receptor interactions, pharmacodynamics and drug treatment of various physiological systems (e.g. autonomic nervous system, cardiovascular, respiratory and endocrine), management of pain and complementary drug therapy.

*Textbooks*

Rang HP, et al, Pharmacology (6th Ed) Churchill Livingstone, 2007

## PCOL3011

### Toxicology Medicine

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour tutorial/practical per week. **Prerequisites:** PCOL2001 or PCOL2011 and PCOL2012 or 36 credit points from Intermediate BMED units of study. **Prohibitions:** PCOL3001, PCOL3901, PCOL3911 **Assessment:** One 2 hour exam, in class quizzes, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit of study is designed to introduce students with a basic understanding of pharmacology to the discipline of toxicology. The unit considers the toxicology associated with therapeutic drugs (adverse drug reactions) and the associated issue of drug interactions. The pharmacogenetic basis of adverse reactions is also considered. The unit also considers aspects of environmental toxicology, particularly toxic reactions to environmental agents such as asbestos and pesticides. As part of the unit students are introduced to basic ideas about the collection and analysis of data from human populations, both in the structured situation of clinical trials and in analysis of retrospective data.

*Textbooks*

Klaasen, Curtis D. (2001) Casarett and Doull's Toxicology. 6th edition. McGraw Hill.

**PCOL3012****Drug Design and Development  
Medicine**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour tutorial/practical per week. **Prerequisites:** PCOL2001 or PCOL2011 and PCOL2012 or 36 credit points from Intermediate BMED units of study. **Prohibitions:** PCOL3001, PCOL3901, PCOL3912 **Assessment:** One 2 hour exam, in class quizzes, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit of study is designed to introduce students with a basic understanding of pharmacology to the field of medicinal chemistry associated with drug design, development and registration. It covers the main aspects of drug discovery and development by outlining the main considerations, and illustrates these using examples which include COX-2 inhibitors, statins, and viagra. The role of computers in drug design is emphasised by classwork and assignments on molecular modelling and structure-activity relationships. The course also extends to a section on the design of diverse pharmacological agents which include compounds for imaging by positron emission tomography (PET), as well as chemical and biological warfare agents, and riot control agents.

*Textbooks*

Patrick, Graham L. (2005) An Introduction to Medicinal Chemistry. 3rd edition. Oxford University Press.

**PCOL3021****Drug Therapy  
Medicine**

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour tutorial/practical per week. **Prerequisites:** PCOL2011 and PCOL2012 or 36 credit points from Intermediate BMED units of study **Prohibitions:** PCOL3002, PCOL3902, PCOL3921 **Assessment:** One 2 hour exam, in class quizzes, assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit of study is designed to introduce students with a basic understanding of pharmacology to the theory and practice of drug therapy in the treatment of major disorders such as asthma, cancer and hypertension.

*Textbooks*

Rang, HP. Dale, MM. Ritter, JM and Moore, PK: Pharmacology, 5th ed. Churchill Livingstone. 2003.

**PCOL3022****Neuropharmacology  
Medicine**

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour tutorial/practical per week. **Prerequisites:** PCOL2011, PCOL2012 or 36 credit points from Intermediate BMED units of study **Prohibitions:** PCOL3002, PCOL3902, PCOL3922 **Assessment:** One 2 hour exam, in-classes quizzes, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit of study is designed to introduce students with a basic understanding of pharmacology to the theory and practice of neuropharmacology in the treatment of neurological disorders such as Alzheimer's disease, epilepsy, depression, insomnia, pain, schizophrenia and stroke.

*Textbooks*

Rang, HP. Dale, MM. Ritter, JM and Moore, PK: Pharmacology, 5th ed. Churchill Livingstone. 2003.

**PCOL3551****Pharmacology Exchange  
Medicine**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PCOL3552****Pharmacology Exchange  
Medicine**

**Credit points:** 12 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PCOL3553****Pharmacology Exchange  
Medicine**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PCOL3554****Pharmacology Exchange  
Medicine**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PCOL3555****Pharmacology Exchange  
Medicine**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PCOL3605****Pharmacology 3 (Pharmacy)  
Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr H Lloyd **Session:** Semester 1 **Classes:** Four 1 hour lectures per week for 7 weeks; Three 1 hour lectures per week for 6 weeks, and 18 hours of practicals/tutorials per semester. **Prerequisites:** All first year units; BCHM2613 or (BCHM2611 & BCHM2612); PSPC2601 or (PCOL2603 and PHSI2604); PSPC2602 or (PCOL2604 and PHSI2605). **Assessment:** One 2 hr exam (70 per cent), one 1 hr mid-semester

test (20 per cent), continuous assessment (10 per cent). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

This unit of study builds upon the understanding of drug actions related to physiological and pathological functions gained in PSPC2601 and PSPC2602, as well as the therapeutic applications of drugs based on their underlying pharmacology. It covers analgesics and anti-inflammatory agents, respiratory and gastro-intestinal drugs, drugs affecting nutritional and metabolic function, chemotherapy for infectious diseases and cancer, immunosuppressants, drugs of abuse, drugs affecting blood, anaesthetics, hypnotics, sedatives, anticonvulsants, anxiolytics, antidepressants, antipsychotics, drugs used to treat motor disturbances and dementias, and clinical toxicology (adverse drug reactions and drug interactions, drug overdose and poisoning, and development and introduction of new drugs).

#### Textbooks

Rang HP et al. Pharmacology (5th ed). Churchill Livingstone, 2003.

#### Study aids

Neal MJ. Medical Pharmacology at a Glance (4th ed). Blackwell Science, 2002.

#### Reference books

Cooper JR et al. The Biochemical Basis of Neuropharmacology (8th ed). Oxford, 2003.

Hardman JG et al (eds). Goodman and Gilman's The Pharmacological Basis of Therapeutics (10th ed). McGraw-Hill, 2001.

### PCOL3911

#### Toxicology (Advanced) Medicine

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour tutorial/practical per week. **Prerequisites:** Distinction average in PCOL2011 and PCOL2012 or Distinction average in 36 credit points from Intermediate BMED units of study. **Prohibitions:** PCOL3001, PCOL3901, PCOL3011 **Assessment:** One 2 hour exam, in class quizzes, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit will consist of the lecture and practical components of PCOL3011. Students will be set special advanced assignments related to the material covered in core areas. These may also involve advanced practical work or detailed investigation of a theoretical problem.

#### Textbooks

Klaasen, Curtis D. (2001) Casarett and Doull's Toxicology. 6th edition. McGraw Hill.

### PCOL3912

#### Drug Design and Development (Adv) Medicine

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 3 hour tutorial/practical per week. **Prerequisites:** Distinction average in PCOL2011 and PCOL2012 or Distinction average in 36 credit points from Intermediate BMED units of study. **Prohibitions:** PCOL3001, PCOL3901, PCOL3012 **Assessment:** One 2 hour exam, in class quizzes, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit will consist of the lecture and practical components of PCOL3012. Students will be set special advanced assignments related to the material covered in core areas. These may also involve advanced practical work or detailed investigation of a theoretical problem.

#### Textbooks

Patrick, Graham L. (2005) An Introduction to Medicinal Chemistry. 3rd edition. Oxford University Press.

### PCOL3921

#### Drug Therapy (Advanced) Medicine

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour tutorial/practical per week. **Prerequisites:** Distinction average in PCOL2011 and PCOL2012 or in 36 credit points from Intermediate BMED units of study **Prohibitions:** PCOL3002, PCOL3902, PCOL3021 **Assessment:**

One 2 hour exam, in class quizzes, assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

Advanced students will complete the same core lecture material as students in PCOL3021 but carry out advanced level elective projects, practicals and tutorials.

#### Textbooks

H.P. Rang, M.M. Dale, J.M. Ritter and P.K. Moore: Pharmacology, 5th edn (Churchill Livingstone, 2003)

### PCOL3922

#### Neuropharmacology (Advanced) Medicine

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour tutorial/practical per week. **Prerequisites:** Distinction average in PCOL2011 and PCOL2012 or in 36 credit points from Intermediate BMED units of study **Prohibitions:** PCOL3002, PCOL3902, PCOL3022 **Assessment:** 2 lectures per week, 3 tutorials/practicals per week **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

Advanced students will complete the same core lecture material as PCOL3022 Neuropharmacology but carry out advanced level elective projects, practicals and tutorials.

#### Textbooks

As for PCOL3022

### PCOL4011

#### Pharmacology Honours A Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Hons).

Students enrolled in the Honours program study various advanced aspects of Pharmacology. The program may include lectures, tutorials, seminars and practicals. Students will undertake a research project. Assessment will include the project and may include examinations and classwork.

### PCOL4012

#### Pharmacology Honours B Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** PCOL4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Hons).

See PHAR4011 for information

### PCOL4013

#### Pharmacology Honours C Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** PCOL4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Hons).

See PHAR4011 for information

### PCOL4014

#### Pharmacology Honours D Medicine

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** PCOL4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Hons).

See PHAR4011 for information

### PCOL4909

#### Pharmacology Advanced 4A (Pharmacy)

## Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr J Henderson **Session:** Semester 1 **Classes:** Seminar, tutorial/workshop/practical class, project work per week. **Assessment:** Assignments, oral presentations, written reports, exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment. Note: Enrolment is by invitation only.*

**Associated degrees:** B Pharm.

The aim of this unit of study is to develop students' awareness and understanding of the pivotal role of experimental pharmacology in the development of drugs, and to develop their ability to conduct experimental investigations in accordance with established standards of scientific methodology and critical analysis. The experimental pharmacological aspects of the development of selected drug classes is studied by means of enquiry-based learning approaches utilising seminars, workshops, library research and written assignments. Experience in a range of pharmacological experimental techniques is gained in supervised laboratory practical classes by completing a series of experimental pharmacological investigations into the actions of selected classes of drugs whose activity is well established; experience in the practical aspects of experiment design, analysis, interpretation and reporting of pharmacological investigations is also gained. Students will also commence a pharmacology research project to be completed in PCOL4910 Pharmacology Advanced 4B (Pharmacy), by undertaking preliminary laboratory work and preparing a literature review and research proposal for both oral and written presentation.

### PCOL4910

#### Pharmacology Advanced 4B (Pharmacy)

##### Medicine

**Credit points:** 18 **Teacher/Coordinator:** Dr J Henderson **Session:** Semester 2 **Classes:** Seminar, project per week. **Prerequisites:** A credit average in first semester marks, including PCOL4909 **Corequisites:** PHAR4616 **Assessment:** Oral presentation, written dissertation, laboratory placement work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B Pharm.

The aim of this unit of study is to develop students' research skills and understanding of how experimental pharmacology influences drug development. Students will conduct experimental investigations in accordance with established standards of scientific methodology and develop their critical analytical thinking and writing. In this unit of study, each student will gain experience in some advanced experimental pharmacological research techniques, through the undertaking of an individual research project under the direct supervision of academic and research staff in the Department, and the preparation of an oral presentation and a written dissertation on the experimental project work. The experimental project work is largely undertaken in Semester 2, during placement in Department research laboratories, following initial preparation in the Semester 1 unit of study, PCOL4909 Pharmacology Advanced 4A (Pharmacy), in which preliminary literature reviews and research proposals were completed.

### PCOL4940

#### Pharmacology Adv 4A - Pharmacy (Rural)

##### Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr J Henderson **Session:** Semester 1 **Classes:** Seminar, tutorial/workshop/practical class, project per week. **Prerequisites:** All Year 3 pharmacy units of study. **Assessment:** Assignments, oral presentations, written reports, exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment. Note: Enrolment is by invitation only.*

**Associated degrees:** B Pharm (Rural).

The aim of this unit of study is to develop students' awareness and understanding of the pivotal role of experimental pharmacology in the development of drugs, and to develop their ability to conduct experimental investigations in accordance with established standards of scientific methodology and critical analysis. The experimental pharmacological aspects of the development of selected drug classes

is studied by means of enquiry-based learning approaches utilising seminars, workshops, library research and written assignments. Experience in a range of pharmacological experimental techniques is gained in supervised laboratory practical classes by completing a series of experimental pharmacological investigations into the actions of selected classes of drugs whose activity is well established; experience in the practical aspects of experiment design, analysis, interpretation and reporting of pharmacological investigations is also gained. Students will also commence a pharmacology research project to be completed in PCOL4941 Pharmacology Advanced 4B (Pharmacy) (Rural), by undertaking preliminary laboratory work and preparing a literature review and research proposal for both oral and written presentation.

### PCOL4941

#### Pharmacology Adv 4B - Pharmacy (Rural)

##### Medicine

**Credit points:** 18 **Teacher/Coordinator:** Dr J Henderson **Session:** Semester 2 **Classes:** Seminar, project per week. **Prerequisites:** A credit average in first semester marks, including PCOL4940 **Corequisites:** PHAR4652 **Assessment:** Oral presentation, written dissertation, laboratory placement work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B Pharm (Rural).

The aim of this unit of study is to develop students' research skills and understanding of how experimental pharmacology influences drug development. Students will conduct experimental investigations in accordance with established standards of scientific methodology and develop their critical analytical thinking and writing. In this unit of study, each student will gain experience in some advanced experimental pharmacological research techniques, through the undertaking of an individual research project under the direct supervision of academic and research staff in the Department, and the preparation of an oral presentation and a written dissertation on the experimental project work. The experimental project work is largely undertaken in Semester 2, during placement in Department research laboratories, following initial preparation in the Semester 1 unit of study, PCOL4909 Pharmacology Advanced 4A (Pharmacy), in which preliminary literature reviews and research proposals were completed.

### PERF1005

#### Creative Music Skills

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 3 x 1hr lectures/sem, 1hr tut/wk. **Assessment:** Weekly journal and 600 word report (65%), seminar participation (20%), seminar presentation (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

*Note: This is an elective unit of study that may be used to fulfil the core performance requirements of undergraduate courses.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The process of reflection is essential to acquiring an individual critical practice that integrates experiential and conceptual learning in music. The aim of this unit is for students to develop a broader outlook at the beginning of their training as musicians by exploring innovative approaches in performance and communication using improvisation as a tool to understand creative and musical thinking. The following topics will be explored: awareness of performance/audience space, timing in performance, ensemble communication, projecting outwards to the audience as a speaker or performer, coping with stage fright, memory development, listening, response to sound, free and structured improvisation, improvisations that explore musical parameters of dynamics, duration, register, sound envelopes and timbre, and collaborative composition.

### PERF2600

#### Music Project 1D



**PERF2615****Music Project 2B****Sydney Conservatorium of Music**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 2 hours/week  
**Assessment:** Courses taken within this unit will be recommended by the relevant Chair of Unit. Normally 2,000 words or equivalent depending on the course undertaken. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Adv Dip Op, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, Dip Op.

Students enrolled in this unit will complete a music performance, research or seminar project. Projects to be undertaken within this unit will be recommended and approved by the relevant Chair of Unit.

**PERF2616****Music Project 3B****Sydney Conservatorium of Music**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 2 hours/week  
**Assessment:** Courses taken within this unit will be recommended by the relevant Chair of Unit. Normally 2,000 words or equivalent depending on the course undertaken. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, Dip Op.

Students enrolled in this unit will complete a music performance, research or seminar project. Projects to be undertaken within this unit will be recommended and approved by the relevant Chair of Unit.

**PERF2617****Music Project 4B****Sydney Conservatorium of Music**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 2 hours /week  
**Assessment:** Assignments taken within this unit will be recommended and approved by the relevant Chair of Unit. Normally 3,000 words or equivalent depending on the assignment undertaken. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Departmental permission required.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, Dip Op.

Students enrolled in this unit will complete a music performance, research or seminar project. Projects to be undertaken within this unit will be recommended and approved by the relevant Chair of Unit.

**PERF2618****Music Project 1C****Sydney Conservatorium of Music**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 1-2 hours/week  
**Assessment:** Assignments within this unit will be recommended and approved by the relevant Chair of Unit. Normally 3,000 words or equivalent depending on the assignment undertaken. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, Dip Op.

Students enrolled in this unit will complete a music performance, research or seminar project. Projects to be undertaken within this unit will be recommended and approved by the relevant Chair of Unit.

**PERF2619****Music Project 2C****Sydney Conservatorium of Music**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 1-2 hours/week  
**Assessment:** Courses taken within this unit will be recommended by the relevant Chair of Unit. Normally 2,000 words or equivalent depending on the course undertaken. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Adv Dip Op, B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, Dip Op.

Students enrolled in this unit will complete a music performance, research or seminar project. Projects to be undertaken within this unit will be recommended and approved by the relevant Chair of Unit.

**PERF2620****Music Project 3C****Sydney Conservatorium of Music**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 2 hours/week  
**Assessment:** Courses taken within this unit will be recommended by the relevant Chair of Unit. Normally 2,000 words or equivalent depending on the course undertaken. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, Dip Op.

Students enrolled in this unit will complete a music performance, research or seminar project. Projects to be undertaken within this unit will be recommended and approved by the relevant Chair of Unit.

**PERF2621****Music Project 4C****Sydney Conservatorium of Music**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 2 hours/week  
**Assessment:** Assignments taken within this unit will be recommended and approved by the relevant Chair of Unit. Normally 3,000 words or equivalent depending on the assignment undertaken. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Departmental permission required.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, Dip Op.

Students enrolled in this unit will complete a music performance, research or seminar project. Projects to be undertaken within this unit will be recommended and approved by the relevant Chair of Unit.

**PERF3000****Conducting 1****Sydney Conservatorium of Music**

**Credit points:** 3 **Session:** Semester 1 **Classes:** 1 hr prac workshop/wk  
**Assessment:** Conducting/performance exam (50%), technical test (50%), 15min total duration **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Introduction to basic conducting technique: beating in simple, compound and asymmetric metres; preparatory beats, upbeats, dynamics and changes of tempo. Elementary score reading and instruction in rehearsal techniques. Understanding the difference between orchestral and choral conducting. For further information contact Chair of Conducting Unit.

**PERF3001****Conducting 2****Sydney Conservatorium of Music**

**Credit points:** 3 **Session:** Semester 2 **Classes:** 1 hr prac workshop/wk  
**Prerequisites:** PERF3000 Conducting 1 **Assessment:** Rehearsal exam with the ensemble (50%), performance of two short works (50%), 30min total duration **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Further development of conducting techniques with emphasis on communication of ideas and expressions through gesture. Score preparation. Discussion of rehearsal techniques and practical exercises



with available ensembles. For further information contact Chair of Conducting Unit.

### PERF3002

#### Recital Performance

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair of Unit **Session:** Semester 1, Semester 2 **Classes:** 1hour individual lesson and concert practice/wk **Prerequisites:** Principal Study (Major) 5 in instrument or voice **Prohibitions:** Any Principal Study 6 unit of study. **Assessment:** 45 min public recital; plus two 6 min concert practice performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Recital Performance is taken as an alternative to the relevant Principal Study (Major) 6 for the student's instrument or voice for students who do not plan to progress to Principal Study (Major) 7 and 8. It aims to provide an appropriate performance challenge for students in their last year of Principal Study. A balanced and varied recital program shall be developed in consultation with the individual and must be approved by the Chair of Unit by week 9 of the semester in which the unit of study is taken. Normally music from three distinct styles or eras would be represented. A work by a living composer should also be included, if relevant for the instrument. Please consult the relevant Chair of Unit for further information.

NOTE: Recital Performance does NOT satisfy pre-requisites for Principal Study (Major) 7.

### PERF4000

#### Conducting 3

##### Sydney Conservatorium of Music

**Credit points:** 3 **Session:** Semester 1 **Classes:** 1 hr prac workshop/wk **Prerequisites:** PERF3001 Conducting 2 **Assessment:** Exam: performance of two selected works (80%); viva voce exam (20%); 30min total duration **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Consolidation of stick and rehearsal techniques with emphasis on gesture and its expression in accordance with the score. Study of styles and interpretation of classical and romantic composers based on scores, recordings and the performance of works in class. For further information contact Chair of Conducting Unit.

### PERF4001

#### Conducting 4

##### Sydney Conservatorium of Music

**Credit points:** 3 **Session:** Semester 2 **Classes:** 1 hr prac workshop/wk **Prerequisites:** PERF4000 Conducting 3 **Assessment:** Exam: performance of two selected works (80%); viva voce exam (20%); 30min total duration **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Expanding the repertoire through study of works by 19th and 20th century composers. Instructions in conducting opera, ballet and accompanying soloists. Developing skills of conducting and performing contemporary music. For further information contact Chair of Conducting Unit.

### PERF4002

#### Principal Study (Honours) 7

##### Sydney Conservatorium of Music

**Credit points:** 12 **Teacher/Coordinator:** Chair of Unit **Session:** Semester 1, Semester 2 **Classes:** 14 x 1hr one-to-one lessons in the area of Principal Study and up to 5hrs supervision for the Performance Project/sem; 2hrs performance workshop/wk; weekly Honours workshop. **Prerequisites:** JAZZ2624 Jazz Music Skills or MCGY2011 Harm & Analysis 4 or JAZZ2017 Jazz Harm & Arranging 4, MCGY2005 Aural Percept 4 or JAZZ2039 Jazz Ear Training 4, MUED1002 Music Tech, GENS2005 Hist & Cult Studies 2, MCGY3034 Writing

Skills for Music Professions or JAZZ3631 Music Business Skills **Assessment:** Teacher's mark (20%); Performance Project 1 (80% consisting of project 50% and notes 30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students accepted into Honours in Performance enrol in Performance Honours in semester 7 and 8 instead of Principal Study (Major) 7 and 8 or, in the new degree, Principal Study 7 and Principal Study 7 (Advanced).*

**Associated degrees:** B Mus (Perf).

Students must complete requirements for Principal Study 7 in their instrument or voice, and complete Performance Project 1. Normally the Performance Project 1 will display a unified focus on a specialised performance area relating to the candidate's Principal Study in an area such as repertoire, style, performance practice, aesthetic ideology or innovative use of instrumental techniques or technology. The Performance Project must be accompanied by notes which give the aim of the project, background, and critical commentary or analysis. Performance Project 1 may take the form of a recital (40-45 minutes) or lecture recital, a recording or other innovative performance medium. Performance Projects will be developed and workshopped in the Honours Seminar throughout the semester. Performance Project 1 will be assessed according to three broad criteria: exposition of aims and background; originality; musical and technical achievement (as detailed for each instrument in recital assessment).

### PERF4003

#### Principal Study (Honours) 8

##### Sydney Conservatorium of Music

**Credit points:** 12 **Teacher/Coordinator:** Chair of Unit **Session:** Semester 1, Semester 2 **Classes:** 14 x 1hr one-to-one lessons in the area of Principal Study and up to 5hrs supervision for the Performance Project/sem; 2hrs Concert practice/wk; weekly Honours workshop. **Prerequisites:** PERF4002 Principal Study (Honours) 7 **Assessment:** Performance Project 2 (100% consisting of recital 90%; notes 10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

To progress to Principal Study (Honours) 8, students must obtain a minimum of 65 in Principal Study (Honours) 7, and a minimum of a Pass in all the constituent components of Principal Study (Honours) 7. Students must complete Performance Project 2. Normally Performance Project 2 will be a public recital of 45-50 minutes duration displaying superior performance knowledge and skills. The Performance Project must be accompanied by researched program notes. Performance Project 2 will be assessed according to three broad criteria: appropriate research; creativity; and musical and technical achievement (as detailed for each instrument in recital assessment).

### PERF4601

#### Honours Project 1

##### Sydney Conservatorium of Music

**Credit points:** 12 **Teacher/Coordinator:** Chair of Unit **Session:** Semester 1, Semester 2 **Classes:** 12 one hour individual lessons/small group classes or equivalent as appropriate to project plus weekly honours seminar/workshop **Prerequisites:** 3 year Bachelor of Music Studies degree (or equivalent) in which candidates have obtained a minimum credit average in second and third year units of study and a Distinction average in their Principal Study area. **Assessment:** Preparation for and development of a research-based project (100%) which may consist of a pedagogy-focused project and accompanying dissertation/research essay; a substantial dissertation/research essay and research presentation, a recital and related dissertation/research paper; or a composition project and related dissertation/research paper. Projects and accompanying dissertation/research paper are to be developed in consultation with the Honours Supervisor. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: All students must pass an audition and/or interview and submit a research project proposal to the Undergraduate Studies Committee before November 30 in the year before they wish to enter the Honours program. Students must have completed the B Mus Studies 3 year degree or equivalent or be in their final semester of the three year degree at the time of submitting their proposal. Satisfactory progress in Honours Project 1 is required before students can undertake Honours Project 2.*

**Associated degrees:** B Mus Studies (Hons).

The Honours strand for the B Mus Studies, B Mus Studies/BA and B Mus Studies/MBBS degrees allows students to extend their musical knowledge and skill base within a stand-alone 4th year honours



program. Students enrolled in the Honours Project units are expected to develop and complete research-based projects which may consist of preparation for and development of a pedagogy-focused project and accompanying dissertation/research essay; a substantial dissertation/research essay and research presentation, a recital and related dissertation/research paper; or a composition project and related dissertation/research paper. Projects and accompanying dissertation/research paper are to be developed in consultation with the Honours Supervisor.

### PERF4602

#### Honours Project 2

#### Sydney Conservatorium of Music

**Credit points:** 12 **Teacher/Coordinator:** Chair of Unit **Session:** Semester 1, Semester 2 **Classes:** 12 one hour individual lessons/small group classes or equivalent as appropriate to project plus weekly honours seminar/workshop **Prerequisites:** PERF4601 Honours Project 1 **Assessment:** Completion of a research-based project (100%) which may consist of a pedagogy-focused project and accompanying dissertation/research essay; a substantial dissertation/research essay and research presentation, a recital and related dissertation/research paper; or a composition project and related dissertation/research paper. Projects and accompanying dissertation/research paper are to be developed in consultation with the Honours Supervisor. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Satisfactory completion of Honours Project 1 is required for this unit of study.*

**Associated degrees:** B Mus Studies(Hons).

The Honours strand for the BMus Studies, BMus Studies/BA and BMus Studies/MBBS degrees allows students to extend their musical knowledge and skill base within a stand-alone 4th year honours program. Students enrolled in the Honours Project units are expected to develop and complete research-based projects which may consist of preparation for and development of a pedagogy-focused project and accompanying dissertation/research essay; a substantial dissertation/research essay and research presentation, a recital and related dissertation/research paper; or a composition project and related dissertation/research paper. Projects and accompanying dissertation/research paper are to be developed in consultation with the Honours Supervisor.

### PHAR1616

#### Introductory Pharmaceutical Science Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr L Munoz **Session:** Semester 2 **Classes:** Classes will be arranged as needed **Corequisites:** (PHAR1615 or PHAR1624), CHEM1611 and CHEM1612 **Assumed knowledge:** HSC Chemistry **Assessment:** Theory exam (50%), group assignment (15%), quizzes (20%), poster (15%), and tutorial assessments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B Pharm, B Pharm (Rural).

Introductory Pharmaceutical Science provides an introduction to principles which will be expanded and applied in later years. Topics covered include drugs from plants, pharmaceutical calculations, dosage forms, intermolecular forces in liquids and solids, dissolution and solubility, drugs as acids and bases, partitioning. Small group work in workshop sessions will complement and support the learning of material introduced in lectures.

#### Textbooks

Introductory Pharmaceutical Science Resource Book 2007

### PHAR1617

#### Social Pharmacy Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr L Smith **Session:** Semester 2 **Classes:** 3 x 1hr lectures/wk, 1 x 2hr workshop/wk. **Corequisites:** PHAR1615 or PHAR1624 **Assessment:** Exam, assignments, presentation and reports **Practical field work:** Externship and teamwork project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B Pharm, B Pharm (Rural).

This unit of study consists of 2 major streams, social pharmacy and interprofessional practice. Social pharmacy is designed to provide a

broad perspective of patient health and illness, and encourage a view of the patient as a whole person. Topics include self-regulation, pain, chronic illness and support networks. The emphasis will be on the psychosocial processes that underpin patient behaviour. Interprofessional practice provides an introduction to the working relationships that pharmacists have with other healthcare professionals. Oracy, literacy and teamwork skills are also developed in the context of professional pharmacy issues.

#### Textbooks

PHAR1617 Social Pharmacy. Prepared by Lorraine Smith for The University of Sydney. McGraw Hill Custom Publishing, Australia Pty Ltd

### PHAR1811

#### Foundations of Pharmacy Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** E Sainsbury **Session:** Semester 1 **Classes:** 3 x lectures/wk, 1 x 2hr workshop/wk, 1 x 2hr workshop/fortnight **Assumed knowledge:** HSC Chemistry **Assessment:** Individual assignments (20%), group reports (30%) and final exam (50%) **Practical field work:** One class will be held in the dispensing laboratory and 4 hours of fieldwork in a community pharmacy are required **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, UG Study Abroad Program.

Foundations of Pharmacy is a broad introduction to the discipline of pharmacy and the roles that pharmacists play in health care as well as the ideas, issues, skills and knowledge base required of a professional pharmacist. A number of topics are introduced but not covered in depth; they will be further developed in subsequent units of study and later years of the degree. Specific skills in research, critical thinking, writing and presenting are developed in the context of activities designed to orient students to their future profession. The intent is that students begin to think and behave as future members of the profession of pharmacy, and reflect upon the attitudes and beliefs that will shape their practice.

### PHAR1812

#### Basic Pharmaceutical Sciences Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr L Munoz **Session:** Semester 1 **Classes:** 4 x lectures/wk, 1 x 2hr tutorial/wk **Corequisites:** PHAR1811, CHEM1611 **Assumed knowledge:** HSC Chemistry **Assessment:** Written exam (50%), group assignments (20%), quizzes (30%) and tutorial assessments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, UG Study Abroad Program.

Basic Pharmaceutical Sciences provides an introduction to principles which will be expanded and applied in later years. Topics covered include: drugs from plants, dosage forms, intermolecular forces in liquids and solids, dissolution and solubility, partitioning and drugs as acids and bases. This unit also includes a mathematical component which is required for other units of study. Small group work in workshop sessions will complement and support the learning of material introduced in lectures.

#### Textbooks

Basic Pharmaceutical Science Resource Book

### PHAR1821

#### Social Pharmacy Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr L Smith **Session:** Semester 2 **Classes:** 3 x 1hr lectures/wk, 1 x 2hr workshop/wk **Corequisites:** PHAR1811 **Assessment:** Exam (40%), reports (50%), presentation and participation (10%) **Practical field work:** Teamwork project and interview **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, UG Study Abroad Program.

This unit of study consists of 2 major streams, social pharmacy and interprofessional practice. Social pharmacy is designed to provide a broad perspective of patient health and illness, and encourage a view of the patient as a whole person. Topics include self-regulation, pain, chronic illness and support networks. The emphasis will be on the psychosocial processes that underpin patient behaviour. Interprofessional practice provides an introduction to teamwork and

the working relationships that pharmacists have with other healthcare professionals.

#### Textbooks

Smith, L. (preparer) (2008) PHAR1821 Social Pharmacy

### PHAR1822

#### Physical Pharmaceutics Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr P Young **Session:** Semester 2  
**Classes:** 3 x lectures/wk, 8 x maths lectures, 5 x 1hr maths tutorials, classes will be arranged as needed **Corequisites:** PHAR1812 **Assumed knowledge:** HSC Chemistry and Mathematics **Assessment:** Exam (70%), minor exam (15%), prac/labs (15%) **Practical field work:** 6 x laboratory sessions **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, UG Study Abroad Program.

This unit of study aims to facilitate an understanding of the physicochemical principles, design, formulation, manufacture and evaluation of pharmaceutical dose forms. The unit starts with an introduction to different dose forms and the importance of route of administration. The formulation of liquid dose forms including parenteral, nasal, ophthalmic and aural products is discussed. Related topics such as diffusion and dissolution of drugs, drug solubilisation, surface and interfacial tension, surface active materials, micelle formation, pharmaceutical complexes and drug-packaging interactions will be covered. Fundamentals of the stability of pharmaceuticals are also presented in this unit. This unit of study also includes mathematical tools required for other units of study.

#### Textbooks

H.C. Ansel Pharmaceutical Dose Forms and Drug Delivery Systems 8th edition, Williams & Wilkins, 2005 A.T. Florence & D Attwood Physicochemical Principles of Pharmacy MacMillan 1988

### PHAR2609

#### Medicinal Chemistry 2A Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr W Bret Church **Session:** Semester 1  
**Classes:** 3 x lectures/week and tutorials scheduled as required **Prerequisites:** MATH1606 or (MATH1605 and STAT1605); CHEM1611; CHEM1612; either (PHAR1615 or PHAR1624) or (PHAR1613 and PHAR1614); PHAR1616 or PHAR1607 **Corequisites:** BCHM2613 or (BCHM2611 and BCHM2612) **Assessment:** 2.5hr exam (54%), laboratories and workshops (36%), major quiz (10%) **Practical field work:** 3hr workshop/week **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

This unit of study aims to relate the physico-chemical properties of drugs to the methods of analysis used in identification of drugs and to the interactions of small molecules (drugs) with biological macromolecules (receptors, enzymes, etc) and cell signalling processes. Students gain experience in a variety of experimental techniques related to drug design and analysis. In addition, students will develop laboratory skills and generic skills including critical thinking and accessing information.

#### Textbooks

Patrick, GL. An Introduction of Medicinal Chemistry (3rd ed) Oxford University Press, 2005 Watson, DG. Pharmaceutical Analysis (2nd ed) Elsevier Churchill Livingstone, 2005 Williams, DA. And Lemke, TL. (5th ed) Foye's Principles of Medicinal Chemistry, Lippincott Williams and Wilkins, 2002 Block JH, Beale JM (eds). Wilson and Gisvold's textbook of Organic Medicinal and Pharmaceutical Chemistry (11th ed) Lippincott-Raven, 2004 H.J. Smith (ed.) Smith and Williams' Introduction to the Principles of Drug Design and Action, 3rd Ed, Harwood, 1998

### PHAR2615

#### Microbiology for Pharmacy Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr R Rohanizadeh **Session:** Semester 1  
**Classes:** 2 x lectures/week, workshop classes will be arranged as needed **Prerequisites:** BIOL (1001 or 1101 or 1901 or 1911); either (PHAR1615 or PHAR1624) or (PHAR1613 and PHAR1614); either PHAR1616 or PHAR1607 **Assessment:** Exam & quiz (70%), practicals including workshop (30%) **Practical field work:** Laboratory work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: For repeating students only*

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

This unit of study provides information on the biology of micro-organisms with particular reference to the importance of micro-organisms in pharmacy and the pharmaceutical sciences and the application of basic microbiological principles to the production of clean and sterile pharmaceutical products in both community and hospital pharmacy and in industrial manufacture. Topics include the comparison of the structure, function and importance of the major groups of micro-organisms; pathogenicity, epidemiology and growth; principles and methods of sterilisation, aspects of disinfection and disinfectants, preservation and spoilage of pharmaceutical products and an introduction to concepts of good manufacturing practice. The practical component focuses on basic safe and aseptic microbiological technique applicable to pharmacy and the pharmaceutical sciences and is illustrative of the lecture series.

#### Textbooks

Denyer SP, Hodges NA & Gorman SP. Hugo & Russell's Pharmaceutical Microbiology, 7th edition, Blackwell, 2004

### PHAR2616

#### Physical Pharmaceutics and Formulation A Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr P Young **Session:** Semester 2  
**Classes:** 3 x lectures/week, classes will be arranged as needed **Prerequisites:** MATH1606 or (MATH1605 and STAT1605); CHEM1611; CHEM1612; either (PHAR1615 or PHAR1624) or (PHAR1613 and PHAR1614); PHAR1616 or PHAR1607 **Corequisites:** PHAR2615 **Assessment:** Exam (70%), minor exam (15%), prac/labs (15%) **Practical field work:** 6 x laboratory sessions **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

This unit of study aims to facilitate an understanding of the physicochemical principles, design, formulation, manufacture and evaluation of pharmaceutical dose forms. The unit starts with an introduction to different dose forms and the importance of route of administration. The formulation of liquid dose forms including parenteral, nasal, ophthalmic and aural products is discussed. Related topics such as diffusion and dissolution of drugs, drug solubilisation, surface and interfacial tension, surface active materials, micelle formation, pharmaceutical complexes and drug-packaging interactions will be covered. Fundamentals of the stability of pharmaceuticals are also presented in this unit.

#### Textbooks

H.C. Ansel Pharmaceutical Dose Forms and Drug Delivery Systems 8th edition, Williams & Wilkins, 2005 A.T. Florence & D Attwood Physicochemical Principles of Pharmacy MacMillan 1988

### PHAR2617

#### Pharmacy Practice 2 Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr S Bosnic-Anticevich **Session:** Semester 2  
**Classes:** 3 x lectures/week, tutorials and classes will be scheduled as required **Prerequisites:** Either (PHAR1615 or PHAR1624) or (PHAR1613 and PHAR1614); either PHAR1617 or PHAR1612 **Corequisites:** PSPC2601 or (PCOL2603 and PHSI2604) and PSPC2602 or (PCOL2604 and PHSI2605) **Assessment:** Written exam (40%), oral assessment (35%), and continuous assessment through tutorial participation and contribution (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

This course focusses on giving students the knowledge and skills to successfully manage the treatment of patients in the clinical pharmacy setting. It is the first course within the undergraduate B.Pharm curriculum which explores the pathology of diseases and the options for management. It also focusses on methods of delivering patient care that will facilitate improved health outcomes through effective communication. This course is fundamental to clinical pharmacy in all areas of practice. The core areas of respiratory, cardiovascular, endocrinology, infection and primary care are covered in this course.

#### Textbooks

Communication Skills in Pharmacy Practice. W.N. Tindall et al. 4rd Edition. Lea & Febiger 2007  
Clinical Pharmacy and Therapeutics. Walker, R. & Edwards, C. editors. 3rd Edition Edinburgh: Churchill Livingstone, 2003

**PHAR2618****Medicinal Chemistry 2B****Pharmacy**

**Credit points:** 6 **Teacher/Coordinator:** Dr C C Duke **Session:** Semester 2  
**Classes:** 3 x lectures/week, tutorials and workshops **Corequisites:** PSC2602 or PCOL2603 and PCOL2604 and PHAR2609 **Assessment:** 2hr exam (55%), workshops, practical and quizzes (45%) **Practical field work:** 9 hrs practical work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

Drug design; QSAR and molecular modelling; drug metabolism, bioactivation and inactivation; advanced analytical methods for the identification of drugs, their metabolites and degradation products. Introductory toxicology. Workshops consist of the drug design/QSAR computer-based problem-solving workshop, drug action workshop and drug metabolism/toxicology problem based learning workshop. In the drug action workshop, learning is largely given over to the group, which prepares and presents a case study making use of library databases.

*Textbooks*

D.G. Watson (2005) *Pharmaceutical Analysis: A Textbook for Pharmacy Students and Pharmaceutical Chemists*, 2nd Edition, Churchill Livingstone

**PHAR2811****Drug Discovery and Design A****Pharmacy**

**Credit points:** 6 **Teacher/Coordinator:** Dr W. Bret Church **Session:** Semester 1  
**Classes:** 3 x lectures/wk and tutorials scheduled as required **Prerequisites:** CHEM1611, CHEM1612, PHAR1811, PHAR1812, MBLG1001 **Corequisites:** PHSI2601 **Assessment:** 2.5 hr exam (54%), laboratories and workshops (36%), major quiz (10%) **Practical field work:** 3hr workshop/wk as required **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, UG Study Abroad Program.

This unit of study aims to provide the background to the study of drugs and the important interactions of drugs and their targets. Learning about the molecular bases of such interactions requires discussions of the fundamental macromolecules of life: DNA, RNA and proteins and process as replication, transcription and translation. The course therefore also covers the fundamental mechanisms of the regulation of targets, as well as fundamental molecular interactions important for both detection and diagnostic applications for drugs and metabolites. Metabolism and storage is considered, including metabolic adaptation and disorders of metabolism. Students get experience with a variety of practical techniques to assist learning in the course.

*Textbooks*

Patrick, G.L. *An Introduction to Medicinal Chemistry* (3rd ed) Oxford University Press, 2005 Nelson, D.L. and Cox, M.M. *Lehninger: Principles of Biochemistry* (5th ed), W.H. Freeman, 2008

**PHAR2812****Microbiology and Infection****Pharmacy**

**Credit points:** 6 **Teacher/Coordinator:** Dr R Rohanzadeh **Session:** Semester 1  
**Classes:** 2 x lectures/wk, workshop classes will be arranged as needed **Prerequisites:** BIOL1003, PHAR1811, PHAR1812, MBLG1001 **Assessment:** Exam & quiz (70%), practicals including workshop (30%) **Practical field work:** Laboratory work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, UG Study Abroad Program.

This unit of study provides information on the biology of micro-organisms with particular reference to the importance of micro-organisms in pharmacy and the pharmaceutical sciences and the application of basic microbiological principles to the production of clean and sterile pharmaceutical products in both community and hospital pharmacy and in industrial manufacture. Topics include the comparison of the structure, function and importance of the major groups of micro-organisms; pathogenicity and epidemiology of infectious diseases (e.g. HIV); infection control measures and principles underlying treatment of infectious disease; mechanisms of action, characteristics, and types of antibiotics and synthetic antimicrobial agents; antibiotic resistance; principles and methods of sterilisation, aspects of disinfection and preservation; concepts of

good manufacturing practice and aseptic techniques. The practical component is illustrative of the lectures and focuses on techniques of handling microbial culture and identifying micro-organisms; factors affecting the microbial growth; transmission of disease and host defence mechanisms; basic aseptic microbiological technique applicable to pharmaceutical sciences; and evaluation of different antimicrobial agents.

*Textbooks*

Essential: Denyer SP, Hodges NA & Gorman SP. Hugo & Russell's *Pharmaceutical Microbiology*. 7th edition, Blackwell, 2004  
 Recommended: Fraiese AP, Lambert PA & Maillard J-Y. Russell, Hugo & Ayliffe's *Principles and Practice of Disinfection Preservation & Sterilization*. 4th edition, Blackwell, 2004  
 Tortora GJ, Funke BR & Case CL. *Microbiology: An Introduction*. 8th edition, Pearson, 2004

**PHAR2813****Therapeutic Principles****Pharmacy**

**Credit points:** 6 **Teacher/Coordinator:** Dr R Fois **Session:** Semester 1  
**Classes:** 3 x lectures/wk and 2hr x workshops/wk **Prerequisites:** CHEM1611, CHEM1612, BIOL1003, MBLG1001, PHAR1812, PHAR1822 **Corequisites:** PHSI2601 **Assessment:** Quizzes (summative and formative), workshops (formative), assignments, final examination (summative). All assessments are compulsory. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, UG Study Abroad Program.

This unit of study is intended to provide knowledge in a number of fundamental areas that guide and provide evidence to support the safe, effective and ethical use of medicines. These fundamental areas of knowledge start with an understanding of the relationship between drugs interacting with target sites in the body and the effect produced (i.e. pharmacodynamic principles) and understanding the physiological and physicochemical factors that govern the movement of drugs around the body and the time course of exposure of body tissues and blood to drugs (i.e. pharmacokinetics). These principles involve developing concepts and models to explain drug activity in patients and to guide appropriate drug dosage selection. To support this, relevant mathematical principles involving calculus are introduced during this unit of study.

This unit will also explore reasons behind variability in response to medicines among different individuals. The effects of disease, other drugs, demographics and the genetic basis for variable response will be introduced. Basic pharmacogenetic principles for explaining and predicting pharmacodynamic and pharmacokinetic variability in response will be explored.

Students are also exposed to the notion that medicines may produce adverse effects (as well as beneficial ones). The mechanisms underlying adverse reactions to drugs and how these are classified are explored as are the principles for detecting and avoiding these effects.

Ultimately, many options often exist to manage illness. While the fundamental principles described above assist in understanding how individual drugs should be used, they do not alone provide knowledge to select among alternative options. This unit will introduce students to methods that are used to provide evidence of efficacy and safety of different therapeutic options and to define the place in therapy of these options. To do this, the principles that underpin evidence based medicine (including the clinical trial and pharmacoepidemiology) and the notion of levels of evidence are introduced. Exposure to these principles is intended to develop in students a basic understanding of how to critically evaluate therapeutic options. The evaluation of therapeutic options requires an understanding of statistical methods, which are also introduced during this unit of study.

**PHAR2821****Drug Discovery and Design B****Pharmacy**

**Credit points:** 6 **Teacher/Coordinator:** Dr C C Duke **Session:** Semester 2  
**Classes:** 3 x lectures/wk, tutorials and workshops will be scheduled as required **Corequisites:** PHAR2811 and PCOL2605 **Assessment:** 2hr exam (55%), workshops, practical and quizzes (45%) **Practical field work:** 9 hrs practical

work/workshops **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, UG Study Abroad Program.

Drug design; physicochemical properties of drugs and how this determines the interactions of small molecules (drugs) with biological macromolecules (enzymes and receptors). All stages in the process of drug design and development will be investigated, including computational drug design and the required mathematics for computation and statistical treatment; role of stereochemistry in drug action, structure-activity relationships and molecular modelling; drug metabolism, bioactivation and inactivation; advanced analytical methods for the identification of drugs, their metabolites and degradation products; introductory toxicology, sources of drugs; discovery of new small molecules as leads for drug development. Workshops consist of the drug design/SAR computer-based problem-solving workshop, drug metabolism/toxicology problem-based learning workshop and drug action workshop.

#### Textbooks

D.G. Watson (2005) *Pharmaceutical Analysis: A Textbook for Pharmacy Students and Pharmaceutical Chemists*, 2nd Edition, Churchill Livingstone  
G L Patrick (2005) *An Introduction to Medicinal Chemistry*, 3rd Edition, Oxford University Press

### PHAR2822

#### Pharmacy Practice Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr S Bosnic-Anticevich **Session:** Semester 2 **Classes:** 3 x lectures/wk, 1.5 hr tutorial/wk **Prerequisites:** PHAR1811 and PHAR1821 **Corequisites:** PHSI2601 and PCOL2605 **Assessment:** Written exam (45%), oral assessment (40%), and continuous assessment through tutorial participation and contribution (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, UG Study Abroad Program.

This unit of study is an introduction to Pharmacy Practice. It will integrate previously acquired knowledge in Physiology and Pharmacology with the mechanisms underlying pathological conditions of the cardiovascular, respiratory and endocrine systems, as well as common acute conditions associated with the use of over the counter medications. This unit of study will outline disease processes, treatment and will enable students to gain the knowledge and skills required to manage these conditions utilising effective communication techniques. Different models of health care may be used to demonstrate effective health strategies.

#### Textbooks

Communication Skills in Pharmacy Practice. W.N. Tindall et al. 4rd Edition. Lea & Febiger 2007  
Clinical Pharmacy and Therapeutics. Walker, R. & Edwards, C. editors. 3rd Edition Edinburgh: Churchill Livingstone, 2003

### PHAR2823

#### Formulating and Dispensing Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr P Young **Session:** Semester 2 **Classes:** Lectures and classes will be arranged as required **Prerequisites:** CHEM1611, CHEM1612, PHAR1812, PHAR1822 **Corequisites:** PHAR2812 **Assessment:** Written and practical exam, assignment **Practical field work:** Laboratory work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, UG Study Abroad Program.

This unit of study builds on the material presented in Physical Pharmaceutics. The topics covered in this unit include: solid dose forms and particle science, rheology; dispersion dose forms including suspensions, colloidal dispersions, and emulsions; topical dose forms and semisolids; inhalation pharmaceutical aerosols; protein and peptide drugs and formulations; rectal products; novel drug delivery technologies. Aspects pertaining to the stability of dose forms are also presented in this unit. Practical activities relate to the preparation and dispensing of a range of dosage forms.

### PHAR3602

#### Dispensing

### Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr R Fois **Session:** Semester 2 **Classes:** Periodic lectures throughout semester, weekly 3.5hr workshops **Prerequisites:** A pass in all first year units of study; either PHAR2615 or (MICR2605 and (PHAR2607 or PHAR2627)); either PHAR2616 or (PHAR2613 and (PHAR2614 or PHAR2624)); either PHAR2617 or (PHAR2611 and PHAR2612) **Corequisites:** PHAR3631 **Assessment:** Periodic practical examinations throughout semester (30%), one theory examination (30%), continuous assessment (40%) this may include in-semester assignments, group work and individual work. Satisfactory performance in all areas of this unit of study is required. Compulsory attendance. Consistent adherence to satisfactory standards in laboratory. **Practical field work:** Weekly practical classes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

Introduction to dispensing practice, the importance of accuracy in dispensing, the prescription, approaches to dispensing prescriptions, labelling of dispensed medicines, containers, documentation of dispensing procedures, dispensing of particular formulations, effect of changing formulation variables on the physical properties and efficacy of pharmaceutical products.

A series of practical classes are complemented by workshops. Lectures will provide formative feedback. Students will learn the skills and techniques required to prepare a variety of pharmaceutical products. They will also learn to develop processes in quality assurance and quality control, developing critical skills in minimising errors, maximising the detection of errors and preparing products of consistently high quality.

#### Textbooks

Australian Pharmaceutical Formulary (APF) - most recent edition

### PHAR3609

#### Medicinal Chemistry 3A Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr A Ammit **Session:** Semester 1 **Classes:** Lectures each week, tutorial classes will be arranged as needed **Prerequisites:** A pass in all first year units of study; PHAR2609; PHAR2618 or PHAR2610 or PHAR2620 **Assessment:** Mid-term exam (35%), final exam (35%), practical report (30%). **Practical field work:** Laboratory work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

This unit of study applies the principles of medicinal chemistry as presented in Medicinal Chemistry 2A and 2B to classes of drugs categorised by their common physiological targets or chemical properties. For each drug class, the chemistry and biochemistry relating to their development, metabolism, toxicology, mode of action and pharmacological application will be examined.

Drug classes examined will include agents acting on the peripheral nervous system including cholinergics, adrenergics and antihistamines; agents acting on the central nervous system including opioids, dopaminergics and serotonergics; agents acting on the cardiovascular system such as antihyperlipidemics, ACE inhibitors and drugs acting on the immune system.

Laboratory work will consist of the preparation of an analytical drug profile for an assigned compound in a format suitable for submission to the TGA. This activity will be undertaken as a group over a period of six weeks.

#### Textbooks

Recommended text: WO Foye, TL Lemke & DA Williams Principles of Medicinal Chemistry (Williams & Wilkins, 5th Ed, 2002)

### PHAR3610

#### Medicinal Chemistry 3B Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof M Collins **Session:** Semester 2 **Classes:** 4 x lectures/wk **Prerequisites:** All first year units of study; PHAR2609; PHAR2618 or PHAR2610 or PHAR2620. **Corequisites:** PHAR3609 **Assessment:** Mid-term exam (35%), final exam (35%) and workshops (30%) **Practical field work:** 4hr weekly workshop **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

This unit of study continues on the principles of medicinal chemistry established and developed in PHAR3609 Medicinal Chemistry 3A. Lecture topics include: steroids, chemotherapy, herbal medicines and radiation effects. Laboratory work will include forensic analysis of a drug involved in a suspicious death and either a QSAR practical or a herbal workshop.

#### Textbooks

WO Foye, TL Lemke & DA Williams Principles of Medicinal Chemistry (Williams & Wilkins, 5th Ed, 2002)

### PHAR3613

#### Pharmacy Practice 3A

##### Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr T F Chen **Session:** Semester 1  
**Classes:** 2 x lectures/week, tutorial classes will be arranged as needed  
**Prerequisites:** All first year units of study; PSPC2601 or (PCOL2603 and PHSI2604); PSPC2602 or (PCOL2604 and PHSI2605); PHAR2617 or (PHAR2611 and PHAR2612) **Corequisites:** PCOL3605 or (PCOL3603 and PCOL3604) **Assessment:** Written exam (35%), tutorials (20%), externship (10%), multiple choice question exam (35%) **Practical field work:** 11 x 3hr fieldwork sessions **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

**Therapeutics:** This strand is a continuation of the therapeutics section of Pharmacy Practice 2 (PHAR2617). Topics covered include renal diseases, hepatic diseases, haematology, diseases of the eye and ear, gastrointestinal diseases, rheumatology, and urology. Each of these areas will be covered in terms of epidemiology, pathophysiology, signs and symptoms, and the drug and non-drug management. This unit of study will also explore the role of pharmacists in implementing clinical interventions, medication management review and interprofessional communication.

**Externships:** The externship will integrate lecture and tutorial material with practice. Students will complete patient interviews and report back to tutorials. Problem-solving skills will be enhanced.

**Tutorials:** The tutorials will employ case-based learning techniques. A number of computerised drug information databases will be used. Role-plays will be used to develop students' communication skills in pharmacist/patient and pharmacist/doctor interactions. Familiarisation with drug information software will also take place.

#### Textbooks

Current editions of: AMH, Therapeutic Guidelines, Clinical Pharmacy and Therapeutics (4th ed)

### PHAR3615

#### Pharmacy Practice 3B

##### Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr R Moles **Session:** Semester 2  
**Classes:** 2 x lectures per/wk, 12 x 2hr tutorials, other classes may be arranged as needed **Prerequisites:** All first year units of study. **Corequisites:** PHAR3613; PCOL3605 or (PCOL3603 and PCOL3604) **Assessment:** Multiple choice question exam (35%), oral/written exam (35%), tutorials (20%) and externship (10%). Both exams must be passed to satisfy the requirements of the course. **Practical field work:** 10 x 3hr field work sessions **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, UG Study Abroad Program.

**Therapeutics:** This section is a continuation of the therapeutics section of Pharmacy Practice 3A (PHAR3613). Topics covered will include neurology, mental health, obstetrics and gynaecology, dermatology, oncology and palliative care. Each of these therapeutic areas will be covered in terms of epidemiology, pathophysiology, signs and symptoms, and the drug and non-drug management. The unit of study will also explore the role of pharmacists in conducting medication regimen reviews and interprofessional communication.

**Externships:** The externship will integrate lecture material with practice. Students will complete patient interviews and report back to tutorials. Problem-solving skills will be enhanced.

**Tutorials:** The tutorials will employ case-based learning techniques. A number of computerised drug information databases will be used. Role-plays will be used to develop students' communication skills in pharmacist/patient and pharmacist/doctor interactions. Familiarisation

with computer software written specifically for pharmacists will also take place.

#### Textbooks

Clinical Pharmacy and Therapeutics. Walker, R & Edwards C (eds), 3rd Edition  
Current editions of Australian Medicines Handbook and Therapeutic Guidelines  
Victorian Drug Usage Advisory Committee, North Melbourne, VIC

### PHAR3627

#### Pharmacy Practice 3B (Rural)

##### Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr L Pont **Session:** Semester 2  
**Classes:** 2 x lectures per/wk, 10 x 2hr tutorials, other classes may be arranged as needed **Prerequisites:** All first year units of study. **Corequisites:** PHAR3613; PCOL3605 or (PCOL3603 and PCOL3604) **Assessment:** Written exam (35%), oral exam (35%), tutorials (20%) and externship (10%) **Practical field work:** Fieldwork **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm (Rural).

**Therapeutics:** This section is a continuation of the therapeutics section of PHAR3613 Pharmacy Practice 3A. Topics covered will include neurology, mental health, obstetrics and gynaecology, dermatology, oncology and palliative care. Each of these therapeutic areas will be covered in terms of epidemiology, pathophysiology, signs and symptoms, and the drug and non-drug management. The unit of study will also explore the role of pharmacists in conducting medication regimen reviews and interprofessional communication.

**Externships:** The externship comprise a one week block rural placement. The externship will integrate lecture material with practice and enhance problem-solving skills.

**Tutorial:** The tutorials will employ case-based learning techniques. A number of computerised drug information databases will be used. Role-plays will be used to develop students' communication skills in pharmacist/patient and pharmacist/doctor interactions. Familiarisation with computer software written specifically for pharmacists will also take place.

#### Textbooks

Current editions of: AMH, Therapeutic Guidelines, Clinical Pharmacy and Therapeutics

### PHAR3630

#### Pharmacokinetics and Pharmacogenetics

##### Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr M Bebawy **Session:** Semester 1  
**Classes:** 3 - 5 x lectures/week, 2hr tutorial classes once per fortnight  
**Prerequisites:** All first year units of study; either PHAR2616 or (PHAR2613 and (PHAR2614 or PHAR2624)); either PSPC2601 or (PCOL2603 and PHSI2604); either PSPC2602 or (PCOL2604 and PHSI2605) **Corequisites:** Either PCOL3605 or (PCOL3603 and PCOL3604) **Assessment:** Exam (70%) and quizzes (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

This unit of study deals with basic and advanced concepts in pharmacokinetics and pharmacogenetics, followed by the application of these principles to clinical situations. Lecture topics designed for the learning and teaching of basic concepts include: Introduction to pharmacokinetics and pharmacogenetics; Mono-exponential pharmacokinetics; Understanding graphs in pharmacokinetics; Multi-exponential pharmacokinetics; IV infusions; Multiple dosing; Oral dosing; Drug absorption and influencing factors; Drug distribution and protein binding; Renal and hepatic clearance; Metabolite kinetics; Non-linear pharmacokinetics; Bioequivalence and bioavailability; Drug interactions; Pharmacodynamics; Causes and consequences of PK variability and Characterisation of genetic variability and mechanisms responsible for genetic variability. Lecture topics designed for the learning and teaching of advanced concepts include: Factors affecting drug efficacy (drug transporters); Factors affecting drug efficacy (drug metabolism); Factors affecting drug efficacy (drug targets: receptors); Factors affecting drug efficacy (drug targets: signalling pathways). Lecture topics designed for the learning and teaching of applied concepts include: Characterising PK variability and introduction to therapeutic drug monitoring; Therapeutic drug monitoring of various drug classes; Pharmacogenomics in oncology; immunology;

cardiovascular disease; neurology; gastroenterology; respiratory disease, neurodegenerative disease and dermatology; and ethical considerations in pharmacogenomics.

#### Textbooks

Recommended texts: Clinical Pharmacokinetics - Ed Roland M and Tozer TN; Lippincott, Williams & Wilkins Pharmacokinetics Made Easy - DJ Birkett (University of Sydney Library 615.7 366) Applied Biopharmaceutics and Pharmacokinetics - Shargel & Yu Applied Pharmacokinetics and Pharmacodynamics - Burton, Shaw, Shantag, Evans Basic Clinical Pharmacokinetics (4th ed) - Michel e Winter, Lippincott, Williams & Wilkins Pharmacogenomics: The Search for individualised Therapies- Licinio and Wong

### PHAR3631

#### Physical Pharmaceutics and Formulation B Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr P Young **Session:** Semester 2 **Classes:** 3 x lectures/week, classes will be arranged as needed. **Prerequisites:** All first year units of study; either PHAR2615 or (MICR2605 and (PHAR2607 or PHAR2627)); either PHAR2616 or (PHAR2613 and (PHAR2614 or PHAR2624)) **Corequisites:** PHAR3630 **Assessment:** Exam (60%), minor exam (15%), prac/labs (15%), assignments (10%). **Practical field work:** 2 x practical sessions **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

This unit of study builds on the material presented in Physical Pharmaceutics and Formulation A. The topics covered in this unit include: solid dose forms and particle science, rheology; dispersion dose forms including suspensions, colloidal dispersions, and emulsions; topical dose forms and semisolids; inhalation pharmaceutical aerosols; protein and peptide drugs and formulations; rectal products; novel drug delivery technologies. Aspects pertaining to the stability of dose forms are also presented in this unit. A workshop designed to integrate and apply the information from Physical Pharmaceutics and Formulation A and B concludes this unit.

#### Textbooks

H.C. Ansel Pharmaceutical Dose Forms and Drug Delivery Systems 8th edition, Williams & Wilkins, 2005. A.T. Florence & D Attwood Physicochemical Principles of Pharmacy MacMillan 1988.

### PHAR4616

#### Pharmacotherapeutics in Practice Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr M Sukkar **Session:** Semester 2 **Classes:** 1 x 2hr lecture/week, 3hrs tutorials/week, 1 x 3hr workshop/fortnight. Classes will be arranged as needed. **Prerequisites:** A pass in all second year units of study. **Corequisites:** PHAR4618 **Assessment:** Tutorial participation (20%), student problem based learning case/problem (20%), written exam (40%) and workshops (20%). Satisfactory performance in all areas of this unit of study is required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, UG Study Abroad Program.

This unit of study should consolidate previous study units from Year 1 to Semester 1 of Year 4 of the undergraduate curriculum, through the presentation and solving of real-life clinical and ethical problems. It continues a focus on knowledge consolidation, therapeutics, application of knowledge, and medication management review and disease state management within a self-directed learning environment (problem based learning). Lectures will be followed up with tutorials which will be practice-based in order to illustrate specific practice situations. In addition, two ethics workshops and four disease state management workshops will develop student skills in ethical problem solving and delivery of elements of disease state management services for diabetes, asthma, drugs of dependence and heart failure.

### PHAR4618

#### Integrated Pharmacy Practice Pharmacy

**Credit points:** 12 **Teacher/Coordinator:** Dr B Saini & Dr B Chaar **Session:** Semester 1 **Classes:** 1 x 2hr lecture/wk, 2 x 2hr tutorials/week, 2 x 4hr tutorials for orientation and feedback sessions, other classes will be arranged as needed **Prerequisites:** A pass in all second year units of study; PHAR3609 or PHAR3629; PHAR3610; either PHAR3630 or (PHAR3611 and PHAR3612); either PHAR3613 or PHAR3623; PHAR3614 or PHAR3615 or PHAR3624 or PHAR3627; either PCOL3605 or (PCOL3603 and PCOL3604) **Assessment:** Oral presentations - Clinical pathology (10%), PBL tutorial participation (10%),

PBL case presentations (10%), final exam (40%), reflective diaries (10%), medication review cases and portfolios (10%), preceptor assessments (10%). Satisfactory performance in all areas of this unit of study is required. **Practical field work:** 10 x 5hr clinical placement fieldwork **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

This unit of study focuses on knowledge consolidation, therapeutics, application of knowledge, medication management review and disease state management within a self-directed learning environment (problem based learning) and supplemented by clinical placements. Lectures will be followed up with tutorials which will be practice-based in order to illustrate specific practice situations. In addition, PBL tutorials will provide the opportunity for further development of students' skills in information gathering, assessment and communication skills. The therapeutic topics to be covered in this unit include cardiovascular, infectious diseases and primary care. The unit of study will expand the role of the pharmacist in monitoring therapeutic outcomes, and in participating in therapeutic decision-making. The principles and practice of clinical chemistry as it is applied to the diagnosis, screening and monitoring of physiological processes in health and disease will be covered, as will the measurement of specific analyses. The clinical interpretation of the results of clinical chemistry investigations in diagnosis, screening and monitoring will also be discussed.

#### Textbooks

Essential texts: Australian Medicines Handbook (AMH). Newstyle Printing, Mile End SA, 2008 or later Drug interaction facts - The authority on drug interactions. David S Tatro (ed) Facts and comparison, St. Louis, Missouri, 2006 Complete set of Therapeutic Guidelines (recent versions) Case studies in Clinical Practice. Use of Laboratory Test data: Process guide and reference for pharmacists. Jeff Hughes (ed) Contributors Jeff Hughes, Peter Tenni, Natalie Soulsby, Andrew James. Pharmaceutical Society of Australia, 2004 Recommended texts: Applied Therapeutics: The clinical use of drugs. Mary Anne Koda-Kimble et.al. Lippincott Williams and Wilkins, Philadelphia, Pennsylvania, 2005, 8th ed Clinical Chemistry: Interpretation and techniques. Alex Kaplan et. al. Baltimore: Williams & Wilkins, 1995; 4th ed Clinical Chemistry: Principles, procedures, correlations. Michael L. Bishop, et. al. Philadelphia: Lippincott Williams & Wilkins, 2005, 5th ed Clinical Pharmacy and therapeutics. Roger Walker, Clive Edwards (ed). Churchill Livingstone, Edinburgh, 1999, 2nd ed Pharmacotherapy: A pathophysiologic approach. Joseph T Dipiro, et al. McGraw-Hill Medical publishing Division, New York, 2002, 5th ed The Merk Manual of diagnosis and therapy, Merk Research Laboratories. whitehouse Station, NJ, 17th ed or later Tietz Textbook of Clinical Chemistry. Eds Carl A. Burtis, Edward R. Ashwood Philadelphia: Saunders, 1994, 2nd ed Tietz Textbook of Clinical Chemistry. Editors: Carl A. Burtis, Edward R. Ashwood, Norbert W. Tietz. 3rd ed Tietz Fundamentals of Clinical Chemistry Eds. Edward R. Ashwood 2001, 5th ed

### PHAR4619

#### Drug Development & New Drug Technologies Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr T Grewal **Session:** Semester 1 **Classes:** 1 x 2hr lecture/wk, 1 x 2hr workshop/wk. Classes will be arranged as needed **Prerequisites:** A pass in all Second Year units of study; either PHAR3630 or (PHAR3611 and PHAR3612); either PHAR3631 or (PHAR3607, PHAR3608, PHAR2616 or PHAR2613 and (PHAR2614 or PHAR2624)); PHAR3609 or PHAR3629; PHAR3610 or PHAR3620; either PCOL3605 or (PCOL3603 and PCOL3604). **Assessment:** Final exam (40%), assignment (25%), workshops (35%). All assessments must be passed to satisfy requirements of the course. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

This unit of study consists of two streams: (1) Pharmaceutical Biotechnology stream (lectures) and (2) Design of Biological Drugs stream (workshops). Stream 1 aims to expose students to developing biotechnologies relevant to pharmacy. The course materials will be covered by a series of lectures given by the faculty and specialised lectures/tutorials presented by invited scientific professionals. Stream 2 consists of a series of workshops that focus on the areas involved in protein drug development: native protein purification; gene cloning; cloned gene expression; recombinant protein isolation; recombinant protein dosage form design; preclinical and clinical testing. This unit of study expands on second and third year pharmaceutical science units of study by exposing you to drug development and developing biotechnologies, such as gene therapy, vaccines, DNA arrays, new drug targets and drugs/therapies as well as clinical trials. This unit of study will introduce you to developing biotechnologies, new drug

targets and therapies enabling you to be aware of up and coming biotechnologies and how they will impact on pharmaceutical care. Such knowledge will help you decide your future career direction and give you understanding of practical problems encountered in design and use of biotechnology derived drugs. In addition, this unit of study promotes integration and application of prior knowledge in pharmaceutical science to solving problems in tasks encountered in pharmaceutical research and development as well as allowing students to develop knowledge related to biotechnology derived drugs and skills in obtaining and critically assessing peer-reviewed publications. It also allows students to obtain people skills by participating in group work, resolve conflict management and obtain written and oral communication skills.

#### Textbooks

Foye, W.O et. al. Principles of Medicinal Chemistry (5th Ed), Williams and Wilkins (2002) Shargel L & Yu ABC Applied Biopharmaceutics and Pharmacokinetics (1999) Burton, Evans WE, Schentag JJ & Shaw: Applied Pharmacokinetics and Pharmacodynamics (LWW, 2005) Aulton ME, Pharmaceutics: The Science of dosage form Design (Churchill Livingstone, 2004) Ansel HC, Allen LV and Popovich N (7th Ed) Pharmaceutical Dosage Forms and Drug Delivery Systems (LWW, 1999)

### PHAR4620

#### Integrated Dispensing Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** E Sainsbury and Dr P Aslani **Session:** Semester 1 **Classes:** 1 x 2hr lecture and 1 x 2hr workshop/week **Prerequisites:** A pass in all second year units of study; either PHAR3601 or PHAR3602; either PHAR3613 or PHAR3623; either PHAR3614 or PHAR3615 or PHAR3624 or PHAR3627. **Assessment:** Demonstrate adequate performance in practical exams (30%), continuous assessment (30%), written exam (30%) and portfolio presentation (10%) **Practical field work:** 1 x 2hr practical/week **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

Integrated Dispensing links together the skills and knowledge that students have developed in Dispensing and Pharmacy Practice. The emphasis is on clinical practice and develops the theme that dispensing is not a single event but draws on skills and knowledge from a variety of areas of pharmacy practice, including communication with the patient and prescriber. This is achieved using a simulated practice environment. Students learn to integrate the training they have received in dose form preparation with patient counselling skills, forensic and administrative requirements (including the use of computer-based dispensing programs), as well as the professional aspects of pharmacy to allow them to become competent dispensers of medicines.

#### Textbooks

Australian Medicines Handbook (2008 or 2009) Australian Pharmaceutical Formulary (latest edition) Pharmacy and Poisons legislation is required but is made available in a specific format for the unit

### PHAR4621

#### Clinical Practice Pharmacy

**Credit points:** 12 **Teacher/Coordinator:** Dr L Pont **Session:** Semester 2 **Classes:** On-campus workshops **Prerequisites:** A pass in all second year units of study. **Corequisites:** PHAR4618 **Assessment:** Preceptor assessment (20%), reflective diaries (5%), oral presentation (5%), portfolio tasks (10%), medication management reviews (20%) and written exam (40%). Satisfactory performance in all areas of this unit of study is required. **Practical field work:** Clinical placement and online learning **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, UG Study Abroad Program.

This is an experiential unit of study which allows students to integrate their knowledge and skill-base within a variety of professional placements. Sites may include community and hospital pharmacies as well as professional organisations. In the clinical setting, students gain an awareness of the role of the pharmacist and the interaction between patient, pharmacist and other health professionals. In the non-clinical setting, the focus is on provision of healthcare services within Australia. Students complete a series of placements over a 10-week period. An optional 2-week July block placement may also be undertaken. Students not participating in the optional placement undertake an additional 10-week placement during semester 2.

Additionally students will participate in campus-based workshops that provide a forum for discussion of the various issues experienced during clinical placement.

#### Textbooks

Latest edition of Australian Medicines Handbook. Therapeutic Guidelines (Complete set). Victorian Drug Usage Advisory Committee. North Melbourne, VIC.

Australian Medicines Handbook (Latest edition)

Case Studies in Clinical Practice. Use of Laboratory Test Data: Process Guide and Reference for Pharmacists. Jeff Hughes (ed). Pharmaceutical Society of Australia.

Drug Interaction Facts 2007. Tatro D (ed). Wolters Kluwer Heath.

### PHAR4622

#### Pharmacy Management Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Professor L White **Session:** Semester 2 **Classes:** 1 x 2hr lecture/wk and 1 x 2hr tutorial/wk. Classes will be arranged as required. Self directed/experiential learning required - 1.5 hrs/wk **Prerequisites:** A pass in all second year units of study. **Assessment:** Final exam (40%), mid-semester exam (30%), group assignment (part A) (10%) and group assignment (part B) (20%). Both exams must be passed to satisfy the requirements of the course. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, UG Study Abroad Program.

This course will introduce management issues that are crucial for understanding pharmacy business operations. It includes finance and accounting, human resources and marketing topics.

### PHAR4650

#### Health and Cultural Issues in Rural Aust Pharmacy

**Credit points:** 6 **Session:** Semester 1 **Classes:** Classes will be arranged as needed. **Prerequisites:** A pass in all second year units of study; either PHAR3613 or PHAR3623, PHAR3625 or PHAR3623. **Prohibitions:** PHAR2626 **Assessment:** Classwork (20%), exam (50%), externship report (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm (Rural).

This unit of study aims to introduce students to the health issues in rural and remote communities which may result from the social, environmental and political underpinnings of those communities. Students will be made aware of diseases which are more prevalent than in the metropolitan setting. Issues relating to cultural diversity and indigenous health in rural and remote areas will be explored and different modes of communication and service delivery will be investigated. The externship will include visits to Aboriginal communities and health settings.

### PHAR4651

#### Clinical Practice (Rural) Pharmacy

**Credit points:** 12 **Session:** Semester 2 **Classes:** Classes will be arranged as needed. **Prerequisites:** A pass in all second year units of study. **Corequisites:** PHAR4618, PHAR4652, PHAR4653. **Assessment:** Preceptor assessment (15%), reflective diary (15%), submission of cases 1-6 (20%), oral presentation (10%) and exam (40%). Students must pass each component to pass the unit of study. **Practical field work:** Clinical placement fieldwork. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm (Rural).

This unit of study requires students to follow the progress of patients by extracting and organising information from patient medication histories and interviews. Literature information relevant to the case will be sought in an attempt to review and propose therapeutic options for management. Aspects of communication, verbal presentation and an ability to discuss the case critically will be developed. Each case study will cover the drugs under review, the disease state, past medical and pharmaceutical history, social and demographic parameters. The students' decision-making ability will be developed. The appropriateness of therapeutic plans will be reviewed.

#### Textbooks

Clinical Pharmacy & Therapeutics. Walker R & Edwards C (eds). 3rd ed. Edinburgh: Churchill Livingstone. 2003.

Australian Medicines Handbook, Misan G executive editor. Sponsored by PSA, RACGP & ASCEPT. 2005.



Therapeutic Guidelines. Victorian Drug Usage Advisory Committee. North Melbourne, VIC. 1998-2005.

## PHAR4652

### Pharmacotherapeutics in Rural Practice

#### Pharmacy

**Credit points:** 6 **Session:** Semester 2 **Classes:** 1-2hr lecture/week, 4hr workshop/week. Classes will be arranged as needed. **Prerequisites:** A pass in all second year units of study. **Corequisites:** PHAR4618, PHAR4651 and PHAR4653 (or PHAR4955) **Assessment:** Exam (40%), write up of case studies (20%), student developed PBL case/problem (20%) and tutorial participation (20%). Satisfactory performance in all areas of this unit of study is required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm (Rural).

This unit of study continues on from Integrated Pharmacy Practice. Therapeutics lectures will be followed up with tutorials which will be practice-based in order to illustrate specific practice situations. Therapeutics topics will be covered in great detail in order to understand how drugs affect different populations, how drugs are used in different situations and how specific drugs are chosen and the dosage regimen which is appropriate for that disease and individual patient. In addition, the ability to communicate such information in an appropriate manner will be discussed. The unit will expand the role of the pharmacist in monitoring therapeutic outcomes and participation in therapeutic decision-making and will enable students to assess and develop an individualised disease state management plan for a patient, effectively counsel and educate patients about medicines and disease state management, use and interpret the output of disease monitoring tools. Furthermore, students will become familiar with the professional code of ethics of pharmacy through case studies and be able to explain the ethical principles underpinning the code.

*Textbooks*

AMH, Therapeutic Guidelines.

## PHAR4653

### Integrated Rural and Remote Health Care

#### Pharmacy

**Credit points:** 6 **Session:** Semester 2 **Classes:** Classes will be arranged as needed. **Prerequisites:** A pass in all second year units of study. **Corequisites:** PHAR4651 and PHAR4652 **Assessment:** IPL workshops (20%), portfolio (20%), oral and written case presentation (20%), exam (40%) **Practical field work:** 5hrs/week **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm (Rural).

This unit of study is undertaken in a rural setting, and aims for students to experience how other current and future health care practitioners operate in a rural or remote setting and to explore potential avenues for future co-operation and collaboration between such practitioners. Interdisciplinary tutorials will be held with other health care students at University Departments of Rural Health and visits will be organised to practice sites. Health promotion activities will be undertaken in the community.

## PHAR4927

### Pharmaceutics Advanced 4A

#### Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr F Zhou **Session:** Semester 1 **Classes:** Seminar, tut/workshop, project/wk. **Assessment:** Oral presentations (30%), seminars and postgraduate presentations (10%), literature review (60%), workshop attendance/contributions, project/report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment. Note: Enrolment is by invitation only.*

**Associated degrees:** B Pharm.

This unit of study is designed to extend the Pharmacy undergraduate's knowledge and skills in research methodology, problem solving and written and oral scientific communication in specialist areas of Pharmaceutics. It provides an important basis in advanced coursework and laboratory research for those who wish to become candidates for the PhD, MSc and MPhil degrees. Advanced students will also retain

essentially all of the professionally based training of the Pass degree and complete in the same time.

## PHAR4928

### Pharmaceutical Chemistry Advanced 4A

#### Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr C C Duke **Session:** Semester 1 **Classes:** Seminar, tut/workshop, project/wk **Assessment:** Assignments (5%), oral presentations (45%), written reports (35%), seminar attendance (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Enrolment is by invitation only.*

**Associated degrees:** B Pharm.

Pharmaceutical Chemistry Advanced 4A is designed to extend the Pharmacy undergraduate's knowledge and skills in research practice and problem solving, and written and oral scientific communication. It provides an important basis for those who wish to become candidates for the PhD, MSc and MPhil degrees. In addition, the unit of study provides extra training in specialised areas and will be particularly useful for those seeking employment in industrial, government and hospital laboratories. Advanced students will also retain essentially all of the professionally based training of the pass degree and complete in the same time.

## PHAR4929

### Pharmacy Practice Advanced 4A

#### Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof I Krass **Session:** Semester 1 **Classes:** Seminar, tut/workshop/wk **Assessment:** Seminar attendance (10%), research diary (30%), literature essay (10%), literature review (30%), assignment (10%), presentation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Enrolment is by invitation only.*

**Associated degrees:** B Pharm.

Weekly discussion between students, their supervisors and other pharmacy practice personnel will take place in order to evaluate and formulate possible methodologies for research projects. Students will provide short oral presentations for open discussion with other staff and postgraduate students. Research projects in areas of Pharmacy Practice such as Pharmacoeconomics, Pharmacoepidemiology, Professional Practice, Geriatric Patients, Asthma Management and Clinical Practice will be offered. Advanced students will also retain essentially all of the professionally based training of the Pass degree and complete in the same time.

*Textbooks*

Recommended texts: Bland. Martin, An introduction to medical statistics Oxford; New York: Oxford University Press, 2000. 3rd ed P. Armitage, G. Berry, J.N. Matthews. Statistical methods in medical research. Malden, MA: Blackwell Science, 2001 4th ed Kerr. C, Taylor. R & Heard. G Handbook of Public Health Methods McGraw Hill Co. Inc., 1999

## PHAR4930

### Pharmaceutics Advanced 4B

#### Pharmacy

**Credit points:** 18 **Teacher/Coordinator:** Dr F Zhou **Session:** Semester 2 **Classes:** Seminar, tut/workshop, project/wk. **Prerequisites:** A credit average in first semester marks, including PHAR4927 **Corequisites:** PHAR4616 **Assessment:** Oral presentation (30%), project/report (40%), seminar attendance/reports (10%), research capability/commitment (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Pharm.

This unit of study is designed to extend the Pharmacy undergraduate's knowledge and skills in research practice and problem solving, and written and oral scientific communication acquired in the Semester 1 unit of study PHAR4927 Pharmaceutics Advanced 4A. It provides an important basis for those who may wish to branch into specialised areas and will be particularly useful for those seeking employment in industry, government or hospital laboratories, research institutions and also for those considering continuation to postgraduate studies.



The workshop and seminar components of the unit of study will assist in the development of advanced research skills and will complement the research project. The individual research project prepared in semester 1 will be pursued under the direct supervision of a member of the academic staff. A final research presentation and report describing research results and conclusions is to be presented at the end of the year.

#### PHAR4931

##### Pharmaceutical Chemistry Advanced 4B Pharmacy

**Credit points:** 18 **Teacher/Coordinator:** Dr C C Duke **Session:** Semester 2  
**Classes:** Seminar/project work/wk **Prerequisites:** A credit average in first semester marks, including PHAR4928 **Corequisites:** PHAR4616 **Assessment:** Oral presentation (20%), seminar attendance/reports (5%), project/report (75%)  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Pharm.

Pharmaceutical Chemistry Advanced 4B is designed to extend the Pharmacy undergraduate's knowledge and skills in research practice and problem solving, and written and oral scientific communication acquired in the first semester unit of study PHAR4928 Pharmaceutical Chemistry Advanced 4A. The unit of study provides an important basis for those who may wish to branch into specialised areas and will be particularly useful for those seeking employment in industry, government, hospital laboratories, research institutions and also for those considering continuation to postgraduate studies.

The seminar component of the course will assist in the development of advanced laboratory based research skills and will complement the research project. The individual research project planned in the first semester will be pursued. A final research presentation and report describing research results and conclusions is to be presented at the end of the year.

#### PHAR4932

##### Pharmacy Practice Advanced 4B Pharmacy

**Credit points:** 18 **Teacher/Coordinator:** Assoc Prof I Krass **Session:** Semester 2 **Classes:** Seminar/tut/workshop, project/wk **Prerequisites:** A credit average in first semester marks, including PHAR4929 **Corequisites:** PHAR4616 **Assessment:** Oral presentation (10%), project/report (45%), seminar attendance (10%), research presentation (25%), supervisor assessment (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Pharm.

This unit of study is designed to extend the Pharmacy undergraduate's knowledge and skills in research practice and problem solving, and written and oral scientific communication acquired in PHAR4929 Pharmacy Practice Advanced 4A.

Pharmacy Practice Advanced 4B provides an important basis for those who may wish to branch into specialised areas and will be particularly useful for those seeking employment in industry, government, hospital laboratories, research institutions and also for those considering continuation to postgraduate studies.

The workshop/tutorial/seminar component of the course will assist in the development of advanced research skills and will complement the research project. A final research presentation and report describing research results and conclusions is to be presented at the end of the semester.

#### PHAR4950

##### Pharmaceutics Advanced 4A - Rural Pharmacy

**Credit points:** 6 **Session:** Semester 1 **Classes:** Seminar, tut/workshop, project/wk. **Assessment:** Oral presentations (30%), seminars and postgraduate presentations (10%), literature review (60%), workshop attendance/contributions, project/report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Enrolment is by invitation only.*

**Associated degrees:** B Pharm (Rural).

This unit of study is designed to extend the Pharmacy undergraduate's knowledge and skills in research methodology, problem solving and written and oral scientific communication in specialist areas of Pharmaceutics. It provides an important basis in advanced coursework and laboratory research for those who wish to become candidates for the PhD, MSc and MPhil degrees. The majority of this unit of study will be conducted in a rural setting. (Advanced students will also retain essentially all of the professionally based training of the Pass degree and complete in the same time). A limited number of students will be enrolled by invitation only.

#### PHAR4951

##### Pharmaceutical Chemistry Adv 4A - Rural Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Dr C C Duke **Session:** Semester 1 **Classes:** Seminar, tut/workshop, project/wk. **Assessment:** Assignments (5%), oral presentations (45%), written reports (35%), seminar attendance (15%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Enrolment is by invitation only.*

**Associated degrees:** B Pharm (Rural).

Pharmaceutical Chemistry Advanced 4A - Rural is designed to extend the Pharmacy undergraduate's knowledge and skills in research practice and problem solving, and written and oral scientific communication. It provides an important basis for those who wish to become candidates for the PhD, MSc and MPhil degrees. In addition, the unit of study provides extra training in specialised areas and will be particularly useful for those seeking employment in industrial, government and hospital laboratories. (Advanced students will also retain essentially all of the professionally based training of the pass degree and complete in the same time).

#### PHAR4952

##### Pharmacy Practice Advanced 4A - Rural Pharmacy

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof I Krass **Session:** Semester 1 **Classes:** Seminar, tut/workshop/wk. **Assessment:** Seminar attendance (10%), research diary (30%), literature essay (10%), literature review (30%), assignment (10%), presentation (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Enrolment is by invitation only.*

**Associated degrees:** B Pharm (Rural).

Weekly discussion between students, their supervisors and other pharmacy practice personnel will take place in order to evaluate and formulate possible methodologies for research projects. Students will provide short oral presentations for open discussion with other staff and postgraduate students. Research projects in areas of Pharmacy Practice such as Pharmacoeconomics, Pharmacoepidemiology, Professional Practice, Geriatric Patients, Asthma Management and Clinical Practice will be offered. The majority of this unit of study will be conducted in a rural setting. (Advanced students will also retain essentially all of the professionally based training of the Pass degree and complete in the same time). A maximum of 14 students will be enrolled by invitation only.

##### Textbooks

Recommended texts: Bland, Martin An introduction to medical statistics Oxford ; New York : Oxford University Press, 2000. 3rd ed. P. Armitage, G. Berry, J.N. Matthews. Statistical methods in medical research. Malden, MA : Blackwell Science, 2001 4th ed. Kerr, C, Taylor, R & Heard, G Handbook of Public Health Methods McGraw Hill Co. Inc., 1999.

#### PHAR4953

##### Pharmaceutics Advanced 4B - Rural Pharmacy

**Credit points:** 18 **Teacher/Coordinator:** Dr F Zhou **Session:** Semester 2 **Classes:** Seminar, tut/workshop, project/wk. **Prerequisites:** A credit average in first semester marks, including PHAR4950. **Corequisites:** PHAR4652 **Assessment:** Oral presentation (30%), project/report (40%), seminar attendance/reports (10%), research capability commitment (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Pharm (Rural).

This unit of study is designed to extend the Pharmacy undergraduate's knowledge and skills in research practice and problem solving, and written and oral scientific communication acquired in the Semester 1 Unit of Study PHAR4950 Pharmaceuticals Advanced 4A - Rural. It provides an important basis for those who may wish to branch into specialised areas and will be particularly useful for those seeking employment in industry, government or hospital laboratories, research institutions and also for those considering continuation to postgraduate studies.

The workshop and seminar components of the unit of study will assist in the development of advanced research skills and will complement the research project. The individual research project prepared in semester 1 will be pursued under the direct supervision of a member of the academic staff. A final research presentation and report describing research results and conclusions is to be presented at the end of the year. The majority of the project will be conducted in a rural setting.

#### PHAR4954

##### Pharmaceutical Chemistry Adv 4B - Rural Pharmacy

**Credit points:** 18 **Teacher/Coordinator:** Dr C C Duke **Session:** Semester 2 **Classes:** Seminar/project work/wk **Prerequisites:** A credit average in first semester marks, including PHAR4951. **Corequisites:** PHAR4652 **Assessment:** Oral presentation (20%), seminar attendance/reports (5%), project/report (75%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Pharm (Rural).

This unit of study is designed to extend the Pharmacy undergraduate's knowledge and skills in research practice and problem solving, and written and oral scientific communication acquired in the first semester unit of study PHAR4951 Pharmaceutical Chemistry Advanced 4A - Rural. The unit of study provides an important basis for those who may wish to branch into specialised areas and will be particularly useful for those seeking employment in industry, government, hospital laboratories, research institutions and also for those considering continuation to postgraduate studies.

The seminar component of the course will assist in the development of advanced laboratory based research skills and will complement the research project. The individual research project planned in the first semester will be pursued. A final research presentation and report describing research results and conclusions is to be presented at the end of the year.

#### PHAR4955

##### Pharmacy Practice Advanced 4B - Rural Pharmacy

**Credit points:** 18 **Teacher/Coordinator:** Assoc Prof I Krass **Session:** Semester 2 **Classes:** Seminar/tut/workshop, project/wk **Prerequisites:** A credit average in first semester marks, including PHAR4952. **Corequisites:** PHAR4652 **Assessment:** Oral presentation (10%), project/report (45%), seminar attendance (10%), research presentation (25%), supervisor assessment (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Pharm (Rural).

This unit of study is designed to extend the Pharmacy undergraduate's knowledge and skills in research practice and problem solving, and written and oral scientific communication acquired in PHAR4952 Pharmacy Practice Advanced 4A - Rural. This unit of study provides an important basis for those who may wish to branch into specialised areas and will be particularly useful for those seeking employment in industry, government, hospital laboratories, research institutions and also for those considering continuation to postgraduate studies.

The workshop/tutorial/seminar component of the course will assist in the development of advanced research skills and will complement the research project. A final research presentation and report describing

research results and conclusions is to be presented at the end of the semester.

#### PHCR2101

##### Professional Development 2A Medicine

**Credit points:** 3 **Teacher/Coordinator:** Mr Paul Bennett **Session:** Semester 1 **Classes:** Block/Intensive Mode 5 days 9am to 5pm 3 blocks per semester **Assessment:** Active involvement in Learning block activities and completion of your professional journal. (20%), Completion of activities 1 - 8 in workbook. Note activity 7 is worth 10% (30%), Demonstration of cross-cultural learning principles in workplace health education and health promotion activities (10%), Active participation in computer workshop (10%), Completion of two computer assignments during workshop in Blocks 2 and 3 (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** Dip Indig Prim H C.

In this unit of study students continue to develop skills and knowledge relevant to their roles and responsibilities as primary health care workers by focusing on issues of literacy and language. It looks at how people learn in different cultural settings and how the health worker is able to use this knowledge for both personal development and in developing community health education/promotion strategies. The impact of language on daily life, both personally and professionally, is examined, including the role of the health worker as an interpreter / translator. Practical skills relating to basic computing continue to be developed.

*Textbooks*

Microsoft Excel 2000 Level 1 & 2, Watsonia Software Pty Ltd Melbourne

#### PHCR2102

##### Community Health 4 Medicine

**Credit points:** 6 **Teacher/Coordinator:** Ms Elizabeth Martin **Session:** Semester 1 **Classes:** Block Intensive Mode 5 days 9am to 5pm 3 blocks per semester **Assessment:** Active involvement in block activities (10%), Involvement in and development of clinical skills in counselling and mental health care in the community (25%), PART 1 of Workbook (activities related to mental health and illness but not directly to module activities). (25%), Activities 1-6 but not including Activity 2 (15%), Completion of Activity 2 (10%), Completion of Activity 7 (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** Dip Indig Prim H C.

This unit of study is designed to assist students understand those factors in daily life that can affect the mental health of community members and to develop skills that will help them be effective community health workers. It begins by providing the theory for developing culturally appropriate counselling skills to deal with individual or family crises; to recognise those situations where their skills can meet presenting needs, when referral is required and what options are available for referral. The clinical skill of mental health assessment is also consolidated. The student also looks at cross-cultural concepts of mental health, factors affecting mental development, care of mental illness in the community, with particular emphasis on the needs of Indigenous Australians and those living in rural/remote areas.

#### PHCR2103

##### Community Health 5A Medicine

**Credit points:** 3 **Teacher/Coordinator:** Mr Tony Kickett **Session:** Semester 1 **Classes:** Block Intensive mode 5 days 9am - 5pm 3 blocks per semester **Assessment:** Active involvement in block activities (10%), Development of clinical skills in nutritional assessment, including routine care of children less than 5 years (10%), Completion of Module 1 activities (1 to 4 and 6) in workbook (20%), Demonstrate competency in handling, preparing and storing food safely in the home environment, and the presentation of a talk (Module 1 activity 5) (10%), Development and presentation of a nutritional education program in your community (Module 2 activity 8) (10%), Completion of Module 2 activities (7 - 11, excluding 8) (20%), Completion of a nutritional assessment of 1-5 year olds in your community (Module 2 activity 12)(10%), Nutritional assessment examination based on a series of studies on nutrition in Aboriginal communities (Module 2 activity 13) (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** Dip Indig Prim H C.

This unit of study is designed to assist students understand how what we eat affects our health. Topics covered include the basics of good nutrition, nutrition in traditional and changing societies, the nutritional needs of special groups, safe food handling, and nutrition and disease. Children are particularly vulnerable to the effects of poor nutrition and the student is encouraged to develop skills in identifying children who are not growing as they should and to carry out culturally appropriate nutrition education and promotion activities.

### PHCR2104 Community Health 6 Medicine

**Credit points:** 6 **Teacher/Coordinator:** Mr Chris Ballantyne **Session:** Semester 1 **Classes:** Block Intensive Mode 5 days 9am to 5pm 3 blocks per semester **Assessment:** Completion of module 1 activities in Workbook (activities 1 - 15) (40%), Completion of outbreak exercise in Module 2 (15%), Completion of Module 3 activities in Workbook, (activities 16 - 22) (20%), Prepare and present a talk to adolescents (activity 23, which includes both written work and presentation) (20%), Block participation (5%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** Dip Indig Prim H C.

This unit of study is designed to assist the student understand communicable disease transmission, prevention and control, and their roles and responsibilities as a health worker. The impact communicable disease has had on populations in the past and currently, what it means to be 'at risk', the law and communicable diseases and diseases of public health importance (STIs, HIV, Hepatitis B and C and TB in particular) are examined. The student will use knowledge gained in the previous semester to develop and participate in health promotion projects focusing on sexual health programs in their community.

### PHCR2105 Population Health 1A Medicine

**Credit points:** 3 **Teacher/Coordinator:** Ms Lindy Hunt **Session:** Semester 1 **Classes:** Block Intensive mode 5 days 9am to 5pm 3 blocks per semester **Assessment:** Active involvement in block activities (10%), Development of clinical skills in delivering routine antenatal care. This grade will be given following consultation with Registered Nurses in the workplace. Involvement in providing antenatal care and health education and health promotion relevant to pregnancy and pre-pregnancy health will be assessed. (20%), Completion of activities 1- 8 (20%), Development and presentation of a health education program suitable for the parents-to-be in your community (Activity 9). (20%), One hour oral examination on antenatal care, focusing on the antenatal card and presented scenarios (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** Dip Indig Prim H C.

This unit of study is designed to assist the student understand the reasons for giving care during the antenatal period and to develop the skills for supporting the provision of antenatal care in the community. The potential impact on a baby of health related behaviours of the parents prior to conception and in early pregnancy are considered. Preparing the mother for successful breastfeeding is emphasised.

### PHCR2107 Professional Development 2B Medicine

**Credit points:** 3 **Teacher/Coordinator:** Mr Paul Bennett **Session:** Semester 2 **Classes:** Block Intensive mode 5 days 9am to 5pm 3 blocks per semester **Assessment:** Active involvement in non-computer block activities (10%), Presentation in Block 11 (20%), Activities related to workforce skills, including maintaining Professional Diary. (20%), Active participation in computer workshop (20%) Completion of one major computer assessment (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** Dip Indig Prim H C.

In this unit of study students continue to develop skills and knowledge relevant to their roles and responsibilities as primary health care workers. There is increasing emphasis on computer skills, presentation skills and preparing themselves for the workforce (managing meetings, interviews, CV writing etc.).

#### Textbooks

Microsoft Excel 2000 and Word 2000 Level 3, Watsonia Software Pty Ltd Melbourne

### PHCR2108 Community Development 3 Medicine

**Credit points:** 6 **Teacher/Coordinator:** Mr Chris Ballantyne **Session:** Semester 2 **Classes:** Block Intensive Mode 5 days 9am to 5pm 3 blocks per semester **Assessment:** Completion of activities (1-3) relating to module 1: collecting and presenting health information (50%), Completion of activities (4-6) relating to community assessment and planning community development (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** Dip Indig Prim H C.

This unit of study is designed to assist the student enhance their understanding of community development and the process of planning community development. Firstly, the importance of appropriate and accurate health information to support community diagnosis, health planning, and for evaluating the effect of health interventions is addressed. The student then develops the knowledge and skills gained to look at their community profile, undertake a basic situational analysis of their community and begin the process of planning a community development project.

### PHCR2109 Community Health 5B Medicine

**Credit points:** 3 **Teacher/Coordinator:** Ms Deb Jones **Session:** Semester 2 **Classes:** Block Intensive mode 5 days 9am to 5pm 3 blocks per semester **Assessment:** Active involvement in block activities (10%), Activities 1-2 (short answer activities on heart disease) (5%), Activity 3: part 1 practical assessment of skills developed using brief interventions for behaviour change with individuals: Part 2: Written summary on the PHC worker's role in tertiary interventions for cardio vascular disease in your community (20%), Activities 4-6 (Shorter answer activities on renal disease) (10%), Activity 7: Literature search and essay (to focus on heart disease OR renal disease) (25%), Activity 8: Complete a critical analysis of two articles on renal and heart conditions in Aboriginal populations; (10%), Activity 9 develop health promotion objectives and strategies relevant for a health promotion program targeting heart disease or renal disease (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** Dip Indig Prim H C.

This unit of study continues the focus on lifestyle and disease. Poor food choices often occur in association with other adverse lifestyle choices (lack of exercise and substance misuse for example), which can result in chronic disease later in life. Both diabetes and heart disease are good examples of current common lifestyle diseases. In a previous unit students focused on diabetes as a lifestyle disease with implications for the individual and the community. In this unit the major focus is on the major cause of mortality and morbidity in Australia today - cardiovascular disease.

There is also a focus on renal disease, which can have a devastating effect on both the individual and the family. There are higher levels of diabetes, hypertension and kidney infection following streptococcal skin infections in some Aboriginal populations and these contribute to the higher rates of renal disease experienced in these populations. Such renal disease can lead to kidney failure later in life if not detected early and appropriately managed. Students are encouraged to develop skills in carrying out culturally appropriate nutrition and lifestyle education and promotion and screening activities that target these chronic diseases.

### PHCR2110 Population Health 1B Medicine

**Credit points:** 3 **Teacher/Coordinator:** Ms Lindy Hunt **Session:** Semester 2 **Classes:** Block Intensive mode 5 days 9am to 5pm 3 blocks per semester **Assessment:** Participation in Block activities (10%), Examination on Module 1: Part 1 (Labour) in Block 5. Short answer and multiple choice questions (minimum 30 minutes). (20%), Activity 1: Prepare and deliver a parenting session on a selected aspect of post-natal care (15%), Activity 2: Post -natal case study (15%), Activities 3 - 13 in Module 2: Contraception (20%), Activity 14: Prepare and deliver a talk on contraception to a small group. (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** Dip Indig Prim H C.

This unit of study is designed to assist a student understand the reasons for giving care during delivery and the post-natal period and to develop the skills for supporting the provision of postnatal care in

the community. The issue of family spacing as it affects mother and baby are also included.

### PHCR2111 Population Health 3 Medicine

**Credit points:** 6 **Teacher/Coordinator:** Ms Lindy Hunt, Mr Tony Kickett and Mr Jason Gowin **Session:** Semester 2 **Classes:** Block Intensive mode 5 days 9am to 5pm 3 blocks per semester **Assessment:** Active involvement in block activities (10%), Completion of activities 1 - 12 (Women's Health) OR Completion of activities 1 - 24 (Men's Health) (65%), Activities 1-8 in Module 3 (Prison Health) (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** Dip Indig Prim H C.

This unit of study is designed to assist the student understand issues that affect women's and men's health and develop competency in designated skills related to targeting men's and women's health. The differences between gender roles in traditional and contemporary society will be considered and there is an emphasis on health maintenance and routine screening activities related to specific programs. Topical issues are also examined, including parenting, institutionalisation, dealing with anger, stress and grief, rural health and safety, violence and traditional food patterns (bush tucker). Students are encouraged to participate in activities that support women's or men's health programs. This unit of study is sensitive to local cultural values: this usually means that female students will do the activities and assignments associated with women's health and male students will do the activities and assignments associated with men's health but that all students are familiar with the information on both genders.

### PHCR2112 Clinical Skills 2B Medicine

**Credit points:** 3 **Teacher/Coordinator:** Ms Lindy Hunt **Session:** Semester 2 **Classes:** Block Intensive mode 5 days 9am to 5pm 3 blocks per semester **Assessment:** Participation in Block activities (10%), Completion of activities 1-4 in the workbook (10%), Advanced First Aid examination and competency assessment (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

**Associated degrees:** Dip Indig Prim H C.

This unit of study is designed to assist the student further develop their knowledge and skills to provide more comprehensive First Aid and emergency care in their community. Principles of disaster planning and triage are introduced, basic life support in emergency situations is reviewed and advanced first aid care for given emergencies is provided with emphasis on personal safety, on preventing such accidents and potential dangers for each (what not to do).

### PHIL1011 Reality, Ethics and Beauty Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Thomas Besch **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prohibitions:** PHIL1003, PHIL1004, PHIL1006, PHIL1008 **Assessment:** tutorial participation, one 2000 word essay, one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Ec (Soc Sc), B Int S, Dip Arts, UG Study Abroad Program.

This unit is an introduction to central issues in metaphysics, ethics and aesthetics. It opens with general questions about reality, God, personal identity and free will. The middle section of the unit will consider questions about values, goodness and responsibility. The final part is concerned with the question "what is art", the nature of aesthetic judgment and the role of art in our lives.

*Textbooks*

Readings will be available from the University Copy Centre.

### PHIL1012 Introductory Logic

### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Nicholas Smith **Session:** Semester 2, Summer Late **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Assessment:** two assignments and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

An introduction to modern logic: the investigation of the laws of truth. One essential aspect of good reasoning or argumentation is that it is valid: it cannot lead from true premisses to a false conclusion. In this course we learn how to identify and construct valid arguments, using techniques such as truth tables, models and truth trees. Apart from being a great aid to clear thinking about any subject, knowledge of logic is essential for understanding many areas not only of contemporary philosophy, but also linguistics, mathematics and computing.

*Textbooks*

Garle, R. Introduction to Logic. Prentice Hall 2008.

### PHIL1013 Society, Knowledge and Self Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Thomas Besch **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Prohibitions:** PHIL1010 **Assessment:** tutorial participation, one 2000 word essay, one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Arts, UG Study Abroad Program.

This unit is an introduction to central issues in political philosophy, theories of knowledge and philosophical conceptions of the self. The first part will consider the state, freedom and political obligation. The second part will examine some of the major theories of knowledge in the modern philosophical tradition. The final section will look at conceptions of the self as a knowing and acting subject.

*Textbooks*

Readings will be available from the Copy Centre

### PHIL1016 Mind and Morality HSC Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Luke Russell, Dr Michael McDermott **Session:** S1 Late Int, S2 Late Int, Summer Main **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This unit is available to HSC students only*

**Associated degrees:** Arts UG Non-Degree, UG Summer/Winter School.

If a robot told you that it was in pain, would you believe it? If it is wrong to kill animals, should we try to stop animals from killing each other? How do you know what the colour red looks like to your friends? What do these philosophical puzzles reveal about ourselves, our minds, and our responsibilities towards others? This one-unit HSC course focuses on contemporary disputes regarding the nature of the mind, personal identity and ethics. As you engage with these issues, you will be introduced to the philosophical theories that underpin our notion of ourselves and our place in the world, and you will improve your ability to analyse and present complex ideas and arguments.

### PHIL1801 Philosophy Exchange Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Arts.

### PHIL2600 Twentieth Century Philosophy Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael McDermott **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL2000 **Assessment:** tutorial participation, one 2500 word essay, one 2 hour exam

**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Int S, Dip Arts, UG Study Abroad Program.

Main developments in philosophical thought in the twentieth century. Topics include: logical atomism; logical positivism and its attack on metaphysics; conceptual analysis; Quine, holism, behaviourism, and the overthrow of positivism; the resurgence of metaphysics; functionalism in the philosophy of mind; modal realism. Essential background for understanding how philosophy is done today in English-speaking countries.

#### Textbooks

Ayer A.J. *Language, Truth and Logic*. London. Penguin 2001  
Readings will be available from the University Copy Centre.

### PHIL2605

#### Locke and Empiricism

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Anik Waldow **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL3005, PHIL2005 **Assessment:** one 1000 word tutorial exercise, one 500 word essay plan, one 2500-3000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

In this unit we will study some of the major philosophical works of the Classical British Empiricists, John Locke (1632-1704), George Berkeley (1685-1753), and David Hume (1711-1776). We shall focus attention on their theoretical philosophy, considering epistemological topics such as the nature, limits and justification of human knowledge; and metaphysical topics such as substance, causation, the primary-secondary quality distinction and personal identity. The unit will also consider the contemporary relevance of these thinkers.

#### Textbooks

John Locke, *An Essay Concerning Human Understanding*, ed. Nidditch. (OUP)  
George Berkeley, *The Principles of Human Knowledge* (Hackett)  
--- *Three Dialogues between Hylas & Philonous* (Hackett)  
David Hume, *A Treatise of Human Nature* (2nd ed.) eds. Selby-Bigge & Nidditch (OUP)

### PHIL2610

#### Exploring Nonclassical Logic

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Nicholas Smith **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial **Prerequisites:** 6 Junior credit points in Philosophy AND one of the following: PHIL1012 Introductory Logic OR PHIL2628 Elementary Logic OR MATH1004 OR MATH1904 **Prohibitions:** PHIL3214 **Assessment:** two assignments, one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

Classical logic is what you study in introductory units such as PHIL1012, PHIL2628 or MATH1004. This unit covers major extensions of and alternatives to classical logic, such as temporal, modal, intuitionist, relevance, and many-valued logics. As well as looking at the internal workings of these logics, we examine some of their applications, and the philosophical issues surrounding them.

### PHIL2615

#### Intermediate Logic

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael McDermott **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy and PHIL1012 or PHIL2203 or PHIL2628. **Prohibitions:** PHIL2215, PHIL3215 **Assessment:** exam and weekly exercises **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

The axiomatic approach to classical logic. The focus is on proofs of the main metalogical results - consistency completeness, etc - for the propositional and predicate calculi.

### PHIL2617

#### Practical Ethics

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael McDermott **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points in Philosophy. **Prohibitions:** PHIL2517 **Assessment:** one 2000 word essay and one 2500 word take-home exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

This unit draws on contemporary moral philosophy to shed light on some of the most pressing practical, ethical questions of our time, including euthanasia, abortion, surrogacy, censorship, animal rights, genetic testing and cloning and environmental ethics. By the end of the unit, students should have a good understanding of these practical ethical issues; and, more crucially, be equipped with the conceptual resources to think through new ethical questions and dilemmas as they arise in their personal and professional lives.

#### Textbooks

Readings will be available from the University Copy Centre.

### PHIL2618

#### Aesthetics and Art

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr David Macarthur **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL2518 **Assessment:** one 2500 word essay and one 2000 word take-home exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

Why is art important? What is an aesthetic response? Is there such a thing as objective interpretation? Or is it all a matter of taste? Should we believe in "the death of the author"? What is the relation between aesthetic criticism and philosophy? We shall discuss these and other questions from the perspective of an historical approach to the philosophical study of aesthetics and art.

#### Textbooks

Readings include Plato, Aristotle, Hume, Kant, Tostoy, Collingwood, Danto, Fried, and Cavell. These will be made available from the University Copy Centre.

### PHIL2621

#### Truth, Meaning and Language

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Adrian Heathcote **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Assessment:** one 2500 word essay and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Int S, Dip Arts, UG Study Abroad Program.

This unit covers central issues in contemporary philosophy of language, such as the relationship between language and the world, the nature of meaning and truth, problems involved in interpreting and understanding the speech of others, the role of context in determining meaning, and the nature of metaphor.

### PHIL2622

#### Reality, Time & Possibility: Metaphysics

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Kristie Miller **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Assessment:** one 2000 word essay and

one 2500 word exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

This is a course in metaphysics: the discipline that tells us about the nature of the world. The unit carries on from the Reality component of first year. We use philosophical methods to engage with questions like: What is time? What is space? What are the natures of possibility, freedom and identity? What is a cause, and what is a law of nature? Do we have free will? Does the world really exist - and what does "really" mean?

## PHIL2623

### Moral Psychology Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael McDermott **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL2513, PHIL3513 **Assessment:** one 2500 word essay and one 2000 word take-home exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

What is the ultimate good in life? What attitude should we take towards the good? Part I of the unit explores these questions. Part II investigates a range of causal explanations of moral behaviour. Has natural selection designed us to be moral creatures, or do we learn to be good? Part III turns to questions about the foundations of morality and the nature of moral judgements. The final part concerns the possible limits of morality.

#### Textbooks

Readings available from the University Copy Centre.

## PHIL2627

### Philosophy and Psychiatry Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Stephanie Winfield **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy. **Prohibitions:** PHIL2227 **Assessment:** two 2250 word essays **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

Can the concept 'mental illness' be a valid one? What might delusions tell us about the structure of the mind? What assumptions underlie attempts to classify mental disorder? Can we be justified in compelling people to submit to psychiatric treatment? This unit will examine philosophical questions raised by mental disorder and our attempts to understand/treat it, and will connect psychiatry to debates in philosophy such as the mind/body problem, the concept of a person, and the possibility of knowledge.

#### Textbooks

Readings will be available from the University Copy Centre.

## PHIL2629

### Descartes and Continental Philosophy Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Anik Waldow **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL2004, PHIL3004 **Assessment:** one 1000 word tutorial exercise, one 500 word essay plan, one 2500-3000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Int S, Dip Arts, UG Study Abroad Program.

Descartes is generally regarded as the founder of modern philosophy, and in this unit we look both at his own contribution, and at his influence on the subsequent course of philosophical thought in the

work of Malebranche, Spinoza, and Leibniz. Just over half the unit will be devoted to Descartes' own thought, and we will look at the various stages in the development of his ideas. In the second half of the unit, we will examine the ideas of his successors on selected metaphysical themes, above all on the mind/body question.

#### Textbooks

R. Descartes, Discourse on Method and Other Writings, trans. D. Clarke (Penguin paperback)

R. Descartes, Meditations and Other Metaphysical Writings, trans. D. Clarke (Penguin paperback)

G. Leibniz, Discourse on Metaphysics and other Essays (Hackett paperback)

B. Spinoza, Ethics, Treatise on the Emendation of the Intellect and Selected Letters (Hackett Paperback)

## PHIL2632

### Modernity in Crisis Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr John Grumley **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points in Philosophy **Prohibitions:** PHIL2532, PHIL3532 **Assessment:** one 500 word tutorial paper, one 2000 word essay, one 2500 word take-home exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Int S, Dip Arts, UG Study Abroad Program.

This unit continues the themes developed in Theorising Modernity into the Twentieth Century. We will see how the new realities of free markets, democracy, the state and bureaucracy, individualism and cultural rationalisation presented new problems and opportunities and gave rise to new theoretical frameworks for their comprehension. The unit will focus on the work of Weber, The Frankfurt School, Foucault and Habermas.

#### Textbooks

Readings will be available from the University Copy Centre.

## PHIL2634

### Democratic Theory Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Thomas Besch **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points in Philosophy **Prohibitions:** PHIL2514 **Assessment:** one 2000 word essay and one 2500 word take-home exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Int S, Dip Arts, UG Study Abroad Program.

A unit in political philosophy. The unit will examine various theoretical and normative justifications of democracy, as well as the historical foundations of these arguments. It will also examine particular issues in democracy and justice, the tension between democracy and constitutionalism and the challenges of social and cultural pluralism. The unit will also consider the scope and limits of democracy, including the extension of democratic norms and institutions across national boundaries through international law and multinational institutions.

## PHIL2635

### Contemporary Political Philosophy Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Justine McGill **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL3535, PHIL2535 **Assessment:** one 2500 word essay and one 2000 word take-home exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

A critical introduction to the major schools of thought in contemporary political philosophy, organized around the theme of inclusion and exclusion. The inclusive ambitions of liberal political theory will be confronted with objections from thinkers motivated by concern with various facets of social and political exclusion, notably based on the

categories of gender, cultural difference, deviancy and statelessness. Debates relating to refugees and asylum seekers will be considered in the latter part of this unit of study.

#### Textbooks

Kymlicka, W. *Introduction to Contemporary Political Philosophy*, OUP, 2nd edition. Unit reader available from the Copy Centre.

### PHIL2639

#### Heidegger's Phenomenology Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Paul Redding **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL2239 **Assessment:** two 2250 word essays **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Int S, Dip Arts, UG Study Abroad Program.

Heidegger famously asks what it means to be. We will attempt to determine what he means by this 'question of Being', concentrating on the first division of his work "Being and Time", as well as the discussion of death and authenticity, and of temporality and everydayness, in the second division. Issues to be raised include Heidegger's critique of his teacher, Edmund Husserl, the relevance of Heidegger's work for cognitive science and whether Heidegger can be understood as an existentialist or a pragmatist - or neither.

#### Textbooks

Martin Heidegger, *Being and Time* (trans. J. Macquarrie & E. Robinson).

### PHIL2642

#### Critical Thinking Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Luke Russell **Session:** Semester 2, Winter Main **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in any units within the University **Assessment:** one 2000 word essay, one in-class test and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

An introduction to critical thinking and the analysis of argument. Through examination of arguments drawn from a wide range of sources, including journalism, advertising, science, economics and politics, we will learn to distinguish good from bad arguments, and see why the good arguments are good and the bad ones bad. This makes the unit invaluable not only for philosophy students but for every student at the University. (The approach taken will be informal; very little symbolic notation will be used.)

### PHIL2643

#### Philosophy of Mind Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Michael McDermott **Session:** Semester 2, Summer Late **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL2213, PHIL3213, PHIL2205 **Assessment:** one essay and one take-home exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

An introduction to modern theories of the nature of mind, and some important contemporary issues in the philosophy of mind. Topics will include the problem of mental representation (how can minds think about the world?), the relationship of minds to brains, and the problem of consciousness.

#### Textbooks

The Philosophy of Mind and Cognition, D. Braddon-Mitchell and F. Jackson, Blackwell, Oxford 1997.

### PHIL2644

#### Critical Theory: From Marx to Foucault

### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr John Grumley **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points **Assessment:** one 2000 word essay, one 2000 word take-home exam, one 500 word tutorial paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

The idea of critical theory emerged as an attempt to go beyond the alleged impasses of philosophy and actually challenge the world. This unit will consider various phases in the history of this project: from Marx, the Frankfurt School, to Foucault and Habermas. It will examine both the innovations and weaknesses of these various formulations in their historical context, as well as considering contemporary efforts to reanimate the idea of critical theory.

### PHIL2645

#### Philosophy of Law Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Rick Benitez **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL2510, PHIL3510 **Assessment:** one 2500 word essay and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Int S, Dip Arts, UG Study Abroad Program.

This unit looks at fundamental issues in the philosophy of law, including the role of law, civil liberties, legal obligation, punishment, responsibility and morality. It considers questions about whether or not a legal system is necessary, arguments for anarchy, and reasons for safeguarding freedoms from the force of law. It considers arguments for obedience to law, and seeks a moral justification of punishment. The discussion of practical issues in law leads to consideration of relation between law and morality.

#### Textbooks

Readings will be available from the University Copy Centre.

### PHIL2647

#### The Philosophy of Happiness Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Caroline West **Session:** Semester 1, Summer Late, Winter Main **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points **Assessment:** one 2500 word essay and one 2000 word (take-home) exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

We all want to be happy and to live a worthwhile life. But what is happiness? Why should we want it? And how do we get it? These are among the most fundamental questions of philosophy. We will evaluate the answers of major thinkers from ancient and modern and eastern and western traditions; and consider the implications of current psychological research into the causes of happiness for the question of how to live well, as individuals and as a society.

#### Textbooks

Readings available from the University Copy Centre

### PHIL2648

#### German Philosophy, Leibniz to Nietzsche Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Paul Redding **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 Junior credit points in Philosophy **Prohibitions:** PHIL2641, PHIL3011 **Assessment:** one 1000 word tutorial exercise, one 500 word essay outline and one 2500-3000 word final essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit surveys German Philosophy from Leibniz via Kant and the German idealists to Nietzsche. The first half of the course examines the main aspects of Kant's "Copernican revolution" as a response to Leibniz's "monadology". The second half of the course examines extensions and transformations of Kant's philosophy by critical appropriators extending from Fichte to Nietzsche. Throughout, the philosophical views involved will be related more generally to questions of science, morals and politics, art, education, and religion.

*Textbooks*

Readings available from the University Copy Centre

#### PHIL2804

##### Philosophy Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

#### PHIL2805

##### Philosophy Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

#### PHIL2806

##### Philosophy Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

#### PHIL2810

##### Philosophy Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

#### PHIL2811

##### Philosophy Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

#### PHIL2812

##### Philosophy Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts.

#### PHIL3615

##### Pragmatism

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr David Macarthur **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points in Philosophy **Prohibitions:** PHIL3015 **Assessment:** one 1000 word tutorial exercise, one 500 word essay outline, one 3000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Int S, Dip Arts, UG Study Abroad Program.

This unit will consider the emergence and recent developments of the distinctive philosophical outlook known as "American Pragmatism". We shall discuss various pragmatist approaches to central philosophical topics such as truth, mind, knowledge, logic, naturalism, apriority, and the fact/value distinction. A central theme will be the philosophical importance of the appeal to practice and the agent's point of view. Readings will include works by William James, C.S. Pierce, John Dewey, Robert Brandom, Donald Davidson, Hilary Putnam, and Richard Rorty.

#### PHIL3622

##### Philosophy of Modern Physics

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Adrian Heathcote **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** 12 credit points in Philosophy **Prohibitions:** PHIL3223 **Assessment:** exercises and one 2500 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Arts, UG Study Abroad Program.

In this unit we will look at quantum mechanics, through a study of its central paradoxes: the EPR situation, Schrödinger's Cat, Wave-Particle duality, etc. We will work through the book by R.I.G. Hughes, using Albert's book for some additional material. The course will involve learning the mathematical basis for QM - though the level of mathematical sophistication required will not exceed ordinary high school mathematics. Relativity theory will be discussed only insofar as it bears upon the problem of interpreting quantum theory.

*Textbooks*

R.I.G. Hughes "The Structure and Interpretation of Quantum Mechanics", Harvard Univ. Press; David Albert "Quantum Mechanics and Experience" Harvard Univ Press.

#### PHIL4011

##### Philosophy Honours A

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Prof Paul Redding **Session:** Semester 1, Semester 2 **Prerequisites:** 48 points of Philosophy at Senior level, with a credit average or better, and including 6 points from each of the three areas (History of Philosophy; Epistemology, Metaphysics & Logic; Moral & Political Philosophy). Intending Honours students are strongly encouraged to discuss their unit choices with the Honours Coordinator at the beginning of their third year. The department places importance on the breadth of the philosophical education of its Honours graduates, and encourages intending Honours students to avoid over-specialisation at Senior level **Assessment:** All of the major components of the Honours year will be assessed **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), Dip Arts(Hons).

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Honours Coordinator (Prof Paul Redding) or obtain a copy of the relevant Student Information Guide from the SOPHI Office.

#### PHIL4012

##### Philosophy Honours B

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Prof Paul Redding **Session:** Semester 1, Semester 2 **Corequisites:** PHIL4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), Dip Arts(Hons).

See PHIL4011



**PHIL4013****Philosophy Honours C  
Arts**

**Credit points:** 12 **Teacher/Coordinator:** Prof Paul Redding **Session:** Semester 1, Semester 2 **Corequisites:** PHIL4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), Dip Arts(Hons).

See PHIL4011

**PHIL4014****Philosophy Honours D  
Arts**

**Credit points:** 12 **Teacher/Coordinator:** Prof Paul Redding **Session:** Semester 1, Semester 2 **Corequisites:** PHIL4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), Dip Arts(Hons).

See PHIL4011

**PHSI2005****Integrated Physiology A  
Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Meloni Muir **Session:** Semester 1 **Classes:** Five 1 hour lectures, one 3 hour practical and one 3 hour tutorial per fortnight. **Prerequisites:** 6 credit points of Junior Chemistry plus 30 credit points from any Junior Chemistry, Physics, Mathematics, Biology, Psychology units of study **Prohibitions:** PHSI2905, PHSI2001, PHSI2101, PHSI2901 **Assessment:** Two written exams; group and individual written and oral presentations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: The completion of 6 credit points of MBLG units of study is highly recommended for progression to Senior Physiology. Students taking combined degrees or with passes in units not listed should consult a coordinator if they do not meet the prerequisites.*

**Associated degrees:** B Sc, B Sc (Nutrition).

This unit of study offers a basic introduction to the functions of the nervous system, including excitable cell (nerve and muscle) physiology, sensory and motor systems and central processing. It also incorporates haematology and cardiovascular physiology. The practical component involves experiments on humans and isolated tissues, with an emphasis on hypothesis generation and data analysis. Inquiry-based learning tutorial sessions develop critical thinking and generic skills while demonstrating the integrative nature of physiology. Oral and written communication skills are emphasized, as well as group learning and team work.

*Textbooks*

Lauralee Sherwood: Human Physiology: From Cells to Systems 6th edition 2007.

**PHSI2006****Integrated Physiology B  
Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Meloni Muir **Session:** Semester 2 **Classes:** Five one hour lectures, one 3 hour practical and one 3 hour tutorial per fortnight. **Prerequisites:** 6 credit points of Junior Chemistry plus 30 credit points from any Junior Chemistry, Physics, Mathematics, Biology, Psychology units of study **Prohibitions:** PHSI2906, PHSI2002, PHSI2102, PHSI2902 **Assessment:** Two written exams; group and individual written and oral presentations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: The completion of Molecular Biology and Genetics A is highly recommended for progression to Senior Physiology. Students taking combined degrees or with passes in units not listed should consult a coordinator if they do not meet the prerequisites.*

**Associated degrees:** B Sc, B Sc (Nutrition).

This unit of study offers a basic introduction to the functions of the remaining body systems: gastrointestinal, respiratory, endocrine, reproductive and renal. The practical component involves experiments on humans and computer simulations, with an emphasis on hypothesis generation and data analysis. Inquiry-based learning tutorial sessions develop critical thinking and generic skills while demonstrating the integrative nature of physiology. Oral and written communication skills are emphasized, as well as group learning and team work.

*Textbooks*

Sherwood, L. Human Physiology: From Cells to Systems. 6th edition. 2007.

**PHSI2551****Physiology Exchange  
Medicine**

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PHSI2552****Physiology Exchange  
Medicine**

**Credit points:** 8 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PHSI2553****Physiology Exchange  
Medicine**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PHSI2554****Physiology Exchange  
Medicine**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PHSI2555****Physiology Exchange  
Medicine**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PHSI2556****Physiology Exchange  
Medicine**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PHSI2601****Physiology for Pharmacy  
Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Bronwyn McAllan **Session:** Semester 1 **Classes:** 4x1hr lect and 1x2hr tut per week **Prerequisites:** CHEM1611 and CHEM1612 and (BIOL1001 or BIOL1101 or BIOL1901 or BIOL1003 or BIOL1903) and MBLG1001 **Assessment:** 1x2hr exam, mid-semester test, continuous assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Pharm, B Pharm (Rural), UG Study Abroad Program.

Physiology for Pharmacy provides a broad basic knowledge of human structure and function. Topics covered include studies of nerve and muscle physiology, and movement and consciousness. It also covers human endocrine hormones, reproduction, blood, heart and circulation, fluid regulation and electrolyte balance, the skin, sensory perception, gastro-intestinal function and respiration.

*Textbooks*

Dee Unglaub Silverthorn, Human Physiology: An Integrated Approach, Media Update: International Edition, 4e. (2008) ISBN: 9780321541383

**PHSI2905****Integrated Physiology A (Advanced)  
Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Atomu Sawatari **Session:** Semester 1 **Classes:** Five 1 hour lectures, one 3 hour practical and one 3 hour tutorial per fortnight. Advanced students will be required to attend the designated Advanced Practical and Tutorial sessions. Students will also be exempt from all Inquiry-based learning tutorial **Prerequisites:** 6 credit points of Junior Chemistry plus 30 credit points from any Junior Chemistry, Physics, Mathematics, Biology, Psychology units of study, approval of Coordinator **Prohibitions:** PHSI2005, PHSI2901, PHSI2001, PHSI2101 **Assessment:** One written exam; individual and group oral presentations, 2 practical reports (reports will replace some other assessment items from regular course) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Permission from the coordinators is required for entry into this course. It is available only to selected students who have achieved a WAM of 75 (or higher) in their Junior units of study. Students taking combined degrees or with passes in units not listed should consult a coordinator if they do not meet the prerequisites. The completion of 6 credit points of MBLG units of study is highly recommended for progression to Senior Physiology*

**Associated degrees:** B Sc.

This unit of study is an extension of PHSI2005 for talented students with an interest in Physiology and Physiological research. The lecture component of the course is run in conjunction with PHSI2005. This unit of study gives a basic introduction to the functions of the nervous system, including excitable cell (nerve and muscle) physiology, sensory and motor systems and central processing. It also incorporates haematology and cardiovascular physiology. The practical component involves experiments on humans, isolated tissues, and computer simulations, with an emphasis on hypothesis generation and data analysis. Both oral and written communication skills are emphasized, as well as group learning. The course will provide an opportunity for students to apply and extend their understanding of physiological concepts by designing and conducting actual experiments. Small class sizes will provide a chance for students to interact directly with faculty members mentoring the practical sessions. Assessment for this stream will be based on oral group presentations and two practical reports.

These items will replace some other assessable activities from the regular course.

*Textbooks*

Lauralee Sherwood: Human Physiology: From Cells to Systems 5th edition 2004

**PHSI2906****Integrated Physiology B (Advanced)  
Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr Atomu Sawatari **Session:** Semester 2 **Classes:** Five 1 hour lectures, one 3 hour practical and one 3 hour tutorial per fortnight. Advanced students will be required to attend the designated Advanced Practical and Tutorial sessions. Students will also be exempt from all Inquiry-based learning tutorials **Prerequisites:** 6 credit points of Junior Chemistry plus 30 credit points from any Junior Chemistry, Physics, Mathematics, Biology, Psychology units of study, approval of coordinator **Prohibitions:** PHSI2006, PHSI2902, PHSI2002, PHSI2102 **Assessment:** One written exam; individual and group oral presentations, 2 practical reports (reports will replace some other assessment items from regular course) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Permission from the coordinators is required for entry into this course. It is available only to selected students who have achieved a WAM of 75 (or higher) in their Junior units of study. Students taking combined degrees or with passes in units not listed should consult a coordinator if they do not meet the prerequisite. The completion of Molecular Biology and Genetics A is highly recommended for progression to Senior Physiology.*

**Associated degrees:** B Sc.

This unit of study is an extension of PHSI2006 for talented students with an interest in Physiology and Physiological research. The lecture component of the course is run in conjunction with PHSI2006. This unit of study gives a basic introduction to the remaining of the body systems: gastrointestinal, respiratory, endocrine, reproductive and renal. The practical component involves simple experiments on humans, isolated tissues, and computer simulations, with an emphasis on hypothesis generation and data analysis. Both oral and written communication skills are emphasized, as well as group learning. The course will provide an opportunity for students to apply and extend their understanding of physiological concepts by designing and conducting actual experiments. Small class sizes will provide a chance for students to interact directly with faculty members mentoring the practical sessions. Assessment for this stream will be based on oral group presentations and two practical reports. These items will replace some other assessable activities from the regular course.

*Textbooks*

Sherwood, L. Human Physiology: From Cells to Systems. 6th edition 2004.

**PHSI3005****Human Cellular Physiology: Theory  
Medicine**

**Credit points:** 6 **Teacher/Coordinator:** Dr William Phillips **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** Except for BMedSc students: PHSI(2005 or 2905) and PHSI(2006 or 2906) For BMedSc: BMED (2801 and 2802). **Prohibitions:** PHSI3905, PHSI3004, PHSI3904 **Assumed knowledge:** 6 credit points of MBLG **Assessment:** One 2 hour exam and 3-5 quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: It is highly recommended that this unit of study be taken in conjunction with PHSI3006.*

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

The aim of this unit of study is to examine key cellular processes involved in the growth, maintenance and reproduction of human life. Processes to be studied include the regulation of cell division and differentiation in developing and adult tissues, the regulation of body fluids through ion transport across epithelia, mechanisms of hormonal and nervous system signaling. Lectures will relate the molecular underpinnings to physiological functions: our current interpretation of how ion channels, hormone receptors and exocytotic complexes mediate tissue function and human life. The significance of these molecular mechanisms will be highlighted by considering how mutations and other disorders affect key proteins and genes and how this might lead to disease states such as cancer, intestinal and lung transport disorders and osteoporosis.

*Textbooks*

Alberts, B (Ed). Molecular Biology of the Cell 5th Edn. Publ. Garland Science)

### PHSI3006

#### Human Cellular Physiology: Research Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr William D. Phillips **Session:** Semester 1 **Classes:** Two small group PBL and one 1 hour lecture per week; one 3 hour practical in some weeks. **Prerequisites:** Except for BMedSc students: PHSI (2005 or 2905) and PHSI(2006 or 2906) For BMedSc: BMED (2801 and 2802). **Corequisites:** PHSI3005 **Prohibitions:** PHSI3906, PHSI3004, PHSI3904 **Assessment:** One 1.5 hour exam, PBL assessments by oral presentations and paper summaries, prac reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

This unit of study complements, and should be taken together with PHSI3005. PHSI3006 focuses deeply upon certain areas of cellular physiology that have particular relevance to human health and disease. In the problem-based learning (PBL) sessions groups of students work together with the support of a tutor to develop and communicate an understanding of mechanisms underlying the physiology and patho-physiology of disorders such as cystic fibrosis and vitamin D resistance. Each problem runs over three weeks with two small group meetings per week. Reading lists are structured to help address written biomedical problems. Lectures provide advice on how to interpret scientific data of the type found in the research papers. Practical classes will emphasize experimental design and interpretation. Collectively, the PBL, lectures and practical classes aim to begin to develop skills and outlook needed to deal with newly emerging biomedical science.

*Textbooks*

Alberts, B (Ed). Molecular Biology of the Cell. 5th Edn Publ. Garland Science.

### PHSI3007

#### Heart and Circulation: Normal Function Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Steve Assinder **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour practical or one 2 hour tutorial per week. **Prerequisites:** Except for BMedSc students: PHSI(2005 or 2905) and PHSI(2006 or 2906) plus at least 12 credit points of intermediate Science Units of Study For BMedSc: BMED (2801 and 2803). **Prohibitions:** PHSI3907, PHSI3003, PHSI3903 **Assumed knowledge:** 6 credit points of MBLG **Assessment:** One 2 hour exam, 3 practical assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: It is recommended that students take PHSI3007 ONLY in combination with PHSI3008.*

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

The aim of this unit of study is to examine in depth the structure and function of the cardiovascular system at the organ system, cellular and molecular levels. There is a particular focus on exercise physiology and the way in which the heart, circulation and skeletal muscles contribute to the limits of sporting achievement. The excitability, contractility and energetics of the heart and blood vessels are studied and the regulation of these organs by local (physical and chemical) factors, hormones and the nervous system are discussed, with emphasis on cellular and molecular mechanisms. At the systemic level, short term (neural) mechanisms controlling the blood pressure and how the system behaves during exercise and other stresses is dealt with. Long term (hormonal) mechanisms regulating blood pressure via the renal control of extracellular fluid volume is also discussed. There is an emphasis in this unit of study on recent advances in cellular and molecular aspects of heart and the blood vessels and the regulation of these organs by local (physical and chemical) factors, hormones and the autonomic nervous system. Lectures will be complemented by practical classes and tutorials that reinforce the theory and emphasize experimental design, data interpretation and presentation.

### PHSI3008

#### Heart and Circulation: Dysfunction Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Steve Assinder **Session:** Semester 2 **Classes:** Two 1 hour lectures and two 1 hour PBL sessions per week. **Prerequisites:** Except for BMedSc students: PHSI(2005 or 2905) and PHSI(2006

or 2906) plus at least 12 credit points of intermediate Science Units of Study For BMedSc: BMED (2801 and 2803) **Prohibitions:** PHSI3908, PHSI3003, PHSI3903 **Assumed knowledge:** 6 credit points of MBLG **Assessment:** One 2 hour exam, PBL presentations, 2000wd essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: It is strongly recommended that students take PHSI3008 ONLY in combination with PHSI3007*

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

This unit of study complements and should be taken together with PHSI3007, which deals with the normal function of the cardiovascular system. This unit of study focuses on cardiovascular disease which is a major cause of death in western society. Lectures provide the background to understanding (a) the disruption of normal physiological processes, (b) recent advances in cellular and molecular aspects, and (c) the physiological basis of modern approaches to treatment. Example of diseases covered include: heart failure, heart attack, cardiac hypertrophy, atheroma and hypertension. In the seminar sessions, students will work in small groups with a tutor to further extend their understanding of cellular and molecular mechanisms underpinning cardiovascular disease. Reading lists are organized into specific topics related to a particular disease. Through analysis and discussion of the readings students develop skills necessary for interpreting and communicating science.

### PHSI3551

#### Physiology Exchange Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHSI3552

#### Physiology Exchange Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHSI3553

#### Physiology Exchange Medicine

**Credit points:** 12 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHSI3554

#### Physiology Exchange Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHSI3555

#### Physiology Exchange Medicine

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHSI3905

#### Human Cellular Physiology (Adv): Theory Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr William D. Phillips **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** Credit average in PHSI(2005 or 2905) and PHSI(2006 or 2906) or in BMED (2801 and 2802). Students enrolling in this unit should have a WAM of at least 70. **Prohibitions:** PHSI3005, PHSI3004, PHSI3904 **Assumed knowledge:** 6 credit points of MBLG **Assessment:** One 2 hour exam, one 2000 word report based on a mentored research project. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: It is highly recommended that this unit of study be taken in combination with PHSI3906*

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

The aim of this unit of study is to examine key cellular processes involved in the growth, maintenance and reproduction of human life. Processes to be studied include the regulation of cell division and differentiation in developing and adult tissues, the regulation of body fluids through ion transport across epithelia, mechanisms of hormonal and nervous system signaling and the regulation of muscle contraction. Lectures will relate the molecular underpinnings to physiological functions: our current interpretation of how ion channels, hormone receptors and exocytotic complexes mediate tissue function and human life. The significance of these molecular mechanisms will be highlighted by considering how mutations and other disorders affect key proteins and genes and how this might lead to disease states such as cancer, intestinal and lung transport disorders and osteoporosis. Please see the Physiology website for details of mentored Advanced research topics.

*Textbooks*

Alberts, B (Ed). Molecular Biology of the Cell. 5th Edn. Publ. Garland Science.

### PHSI3906

#### Human Cellular Physiology (Ad): Research Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr William D. Phillips **Session:** Semester 1 **Classes:** Two small group PBL and one 1 hour lecture per week; one 3 hour practical in some weeks. **Prerequisites:** PHSI (2005 or 2905) and PHSI(2006 or 2906) or in BMED (2801 and 2802). Students enrolling in this unit should have a WAM of at least 70. **Corequisites:** PHSI3905 **Prohibitions:** PHSI3006, PHSI3004, PHSI3904 **Assumed knowledge:** 6 credit points of MBLG **Assessment:** One 1.5 hour exam, PBL assessments by oral presentations and paper summaries, 1500w research report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

This unit of study complements, and should be taken together with PHSI3905. PHSI3906 focuses deeply upon certain areas of cellular physiology that have particular relevance to human health and disease. In the problem-based learning (PBL) sessions groups of students work together with the support of a tutor to develop and communicate an understanding of mechanism underlying the physiology and patho-physiology of disorders such as cystic fibrosis and vitamin D resistance. Each problem runs over three weeks with two small group

meetings per week. Reading lists are structured to help address written biomedical problems. Lectures provide advice on how to interpret scientific data of the type found in the research papers. Practical classes will emphasize experimental design and interpretation. Collectively, the PBL, lectures and practical classes aim to begin to develop skills and outlook needed to deal with newly emerging biomedical science. Please see the Physiology website for details of mentored Advanced research topics.

*Textbooks*

Alberts, B (Ed). Molecular Biology of the Cell. 5th Edn, Garland Science.

### PHSI3907

#### Heart & Circulation: Normal Function Adv Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Steve Assinder **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 3 hour practical or one 2 hour tutorial per week. **Prerequisites:** Except for BMedSc students: PHSI(2005 or 2905) and PHSI(2006 or 2906) plus at least 12 credit points of intermediate Science Units of Study For BMedSc: BMED (2801 and 2803). **Prohibitions:** PHSI3007, PHSI3003, PHSI3903 **Assumed knowledge:** 6 credit points of MBLG **Assessment:** One 2 hour exam, 2000w report/essay based on a mentored research project, practical assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to selected students who have achieved an average of at least 75 in their prerequisite units of study. It is highly recommended that this unit of study be taken in combination with PHSI3908.*

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

The aim of this unit of study is to examine in depth the structure and function of the cardiovascular system at the organ system, cellular and molecular levels. There is a particular focus on exercise physiology and the way in which the heart, circulation and skeletal muscles contribute to the limits of sporting achievement. The excitability, contractility and energetics of the heart and blood vessels are studied and the regulation of these organs by local (physical and chemical) factors, hormones and the nervous system are discussed, with emphasis on cellular and molecular mechanisms. At the systemic level, short term (neural) mechanisms controlling the blood pressure and how the system behaves during exercise and other stresses is dealt with. Long term (hormonal) mechanisms regulating blood pressure via the renal control of extracellular fluid volume is also discussed. There is an emphasis in this unit of study on recent advances in cellular and molecular aspects of heart and the blood vessels and the regulation of these organs by local (physical and chemical) factors, hormones and the autonomic nervous system. Lectures will be complemented by practical classes and tutorials that reinforce the theory and emphasize experimental design, data interpretation and presentation. Details of mentored Advanced research projects are available on the Physiology website.

### PHSI3908

#### Heart & Circulation: Dysfunction Adv Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Steve Assinder **Session:** Semester 2 **Classes:** Two 1 hour lecture and two 1 hour PBL sessions per week. **Prerequisites:** Except for BMedSc students: PHSI(2005 or 2905) and PHSI(2006 or 2906) plus at least 12 credit points of intermediate Science Units of Study For BMedSc: BMED (2801 and 2803). **Prohibitions:** PHSI3008, PHSI3003, PHSI3903 **Assumed knowledge:** 6 credit points of MBLG **Assessment:** One 2 hour exam, PBL presentations, written assignment on a selected topic **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available to selected students who have achieved an average of at least 75 in their prerequisite units of study. It is highly recommended that this unit of study be taken ONLY in combination with PHSI3907 or PHSI3007.*

**Associated degrees:** B Med Sc, B Sc, UG Study Abroad Program.

This unit of study complements and should be taken together with PHSI3007, which deals with the normal function of the cardiovascular system. This unit of study focuses on cardiovascular disease which is a major cause of death in western society. Lectures provide the background to understanding (a) the disruption of normal physiological processes, (b) recent advances in cellular and molecular aspects, and (c) the physiological basis of modern approaches to treatment.

Example of diseases covered include: heart failure, heart attack, cardiac hypertrophy, atheroma and hypertension. In the seminar sessions, students will work in small groups with a tutor to further extend their understanding of cellular and molecular mechanisms underpinning cardiovascular disease. Reading lists are organized into specific topics related to a particular disease. Through analysis and discussion of the readings students develop skills necessary for interpreting and communicating science. Details of mentored Advanced research projects are available on the Physiology website.

#### **PHSI4011** **Physiology Honours A** **Medicine**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Hons).

Students enrolled in the Honours program study various advanced aspects of Physiology. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

#### **PHSI4012** **Physiology Honours B** **Medicine**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** PHSI4011  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Hons).

Students enrolled in the Honours programs study various advanced aspects of Physiology. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

#### **PHSI4013** **Physiology Honours C** **Medicine**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** PHSI4012  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Hons).

Students enrolled in the Honours programs study various advanced aspects of Physiology. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

#### **PHSI4014** **Physiology Honours D** **Medicine**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** PHSI4013  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc (Hons), B S T (Hons), B Sc (Hons).

Students enrolled in the Honours program study various advanced aspects of Physiology. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

#### **PHTY1021** **Motor Performance and Learning** **Health Sciences**

**Credit points:** 4 **Teacher/Coordinator:** Dr Roger Adams **Session:** Semester 1 **Classes:** Two 1hr lectures/week, seven 2hr tutorials over the semester **Corequisites:** BACH1132 Foundations of Health Psychology **Assessment:** Seminar presentation, group project report, end semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B App Sc (Phty), B App Sc (Phty), UG Study Abroad Program.

This unit of study consists of 3 modules. The first examines aspects of the perceptual-motor system that underpin motor performance such as capacity limitation, automaticity, lateralisation, motor planning, arousal and stress, and expertise. The second examines features of the learning environment that can be manipulated to promote motor learning, such as goals, motivation, instruction, practice conditions and feedback, and considers normal motor development across the lifespan. The third examines the application of these features of the learning environment to rehabilitation, and includes a project in which a motor skill is trained.

*Textbooks*

Macgill R, Motor Learning and Control: Concepts and Applications (8th ed), McGraw-Hill, New York (2007)

#### **PHTY2045** **Evidence Based Physiotherapy** **Health Sciences**

**Credit points:** 3 **Teacher/Coordinator:** Dr Alison Harmer **Session:** Semester 1 **Classes:** 1hr lecture/week (Wks 1-11), 2hrs tutorials/week (Wks 8-11) **Prerequisites:** BACH1143 Designing Health Research **Corequisites:** BACH1145 Quantitative Health & Social Research or BACH1147 Qualitative Health & Social Research, PHTY2046 Professional Practice, PHTY2047 Clinical Observation and Measurement **Assessment:** Written report due Wk 13 (40%), end semester written exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty), UG Study Abroad Program.

In this unit students will learn how clinical research can guide clinical practice. Students will learn to find and critically appraise research into the diagnosis, prognosis and treatment of conditions treated by physiotherapists and how to apply that information to individual patients.

*Textbooks*

Herbert R, Jamtvedt G, Mead J & Hagen KB, Practical Evidence-Based Physiotherapy, Elsevier, Oxford (2005)

#### **PHTY2046** **Professional Practice** **Health Sciences**

**Credit points:** 4 **Teacher/Coordinator:** Ms Vicki Williams **Session:** Semester 1 **Classes:** 1hr lecture, 2hrs tutorials/week **Prerequisites:** BACH1130 Foundations of Health Sociology, BACH1132 Foundations of Health Psychology **Corequisites:** PHTY2045 Evidence Based Physiotherapy, PHTY2047 Clinical Observation and Measurement **Assessment:** Written assignment, end semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty), UG Study Abroad Program.

This unit introduces the students to broad and specific issues and practices in health care delivery affecting physiotherapists. This includes the roles and responsibilities of physiotherapists and other health professionals in the context of the changing health care environment. Students will explore the New South Wales Physiotherapists Registration Board policy on professional conduct and learn to apply this policy in ethical and clinical decision-making. The importance of communication and respect for cultural differences in professional conduct will be addressed. Communication will include interviewing and the principles and process of professional documentation. The responsibility associated with being a member of a regulated profession, regulation of physiotherapy practice by the Physiotherapists Registration Act of NSW 2001 and by other health acts and the meaning of professional misconduct and other associated behaviours are explored in both lecture and tutorial format. Students will examine the impact of legislation and health policy on service delivery within health care in Australia and the distribution of funding for preventative, palliative and curative care. In addition, students will be assigned to clinical units in the metropolitan region and will undertake structured learning tasks which apply principles taught in this unit of study. Students will complete a workbook of their

experiences which will form part of the assessment of the mentored clinical placement.

#### Textbooks

Higgs J, Sefton A, Street A, McAllister L & Hay I, Communicating in the Health and Social Sciences, Oxford University Press, Melbourne (2005)

### PHTY2047

#### Clinical Observation and Measurement Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Dr Mark Hancock **Session:** Semester 1 **Classes:** 1hr lecture, 2hrs tutorials/week **Prerequisites:** BIOS1136 Functional Anatomy A, BIOS1144 Functional Anatomy B (Physiotherapy), EXSS1026 Biomechanics A, EXSS1027 Biomechanics B **Corequisites:** PHTY2045 Evidence Based Physiotherapy, PHTY2046 Professional Practice **Assessment:** Written assignment (20%), end semester written exam (50%), practical exam (30%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty), UG Study Abroad Program.

This unit examines the observation and measurement of normal movement using methods that are suitable for clinical application. The importance of measurement is emphasised and the validity and reliability of different procedures are studied. There are three modules, the first being 'impairment' which includes the measurement of a range of common impairments such as weakness, pain and decreased range of movement. The second module is 'activity' and it involves observation and description of everyday activities such as standing up, walking and reaching. The mechanics associated with these every day activities will be covered in lectures to provide a background for structuring observation. The third module is 'participation' and this covers types of measures designed to determine the impact of impairments on level of participation. Each module considers the development and change in impairments and activities over the lifespan. The principles and practice of manual handling, including lifting and transfers, will be covered in the context of each tutorial. In addition, students will be assigned to clinical sites in the metropolitan region and will undertake structured learning tasks which apply principles taught in this unit of study. Students will complete a workbook which will form part of the written assessment of the mentored clinical placement.

### PHTY2048

#### Cardiopulmonary Physiotherapy A Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Ms Nia Luxton **Session:** Semester 2 **Classes:** 1hr lecture, 2hrs tutorial/week **Prerequisites:** BIOS1133 Body Systems: Structure and Function I **Corequisites:** BIOS2099 Body Systems II and Pharmacology **Assessment:** Mid semester practical exam (20%), end semester written exam (80%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty), UG Study Abroad Program.

This unit will introduce students to the knowledge, skills and clinical decision making processes necessary for effective assessment and treatment of patients across the age spectrum with acute and chronic respiratory dysfunction. In particular, students will evaluate the pathophysiological and functional consequences of surgery (abdominal, thoracic and cardiac); infective, inflammatory and restrictive conditions; and airflow limitation on pulmonary function. Additionally, students will develop treatment strategies to effectively manage respiratory problems. The unit will provide students with an opportunity to apply, integrate and extend knowledge gained through the foundation sciences and preclinical physiotherapy units of study.

### PHTY2049

#### Neurological Physiotherapy A Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Angela Stark **Session:** Semester 2 **Classes:** Wks 1-6: 2hrs lectures, 4hrs tutorials/ week; Wks 7, 9-13: 1hr lecture, 2 hrs tutorials/week **Prerequisites:** BIOS2103 Neuroscience for Physiotherapists, PHTY1021 Motor Performance and Learning **Corequisites:** EXSS1028 Muscle Mechanics, PHTY2045 Evidence Based Physiotherapy, PHTY2047 Clinical Observation and Measurement **Assessment:** Mid semester practical exam (25%), end semester written exam (40%), end semester practical exam (35%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty), UG Study Abroad Program.

Neurological physiotherapy aims to develop in students an ability to apply relevant theoretical and data-based scientific findings to clinical practice in the area of motor disability arising from disease and trauma to the nervous system. This unit introduces pathology, impairments, activity limitations and participation restrictions arising from conditions of acute onset across the lifespan, using examples such as stroke, traumatic brain injury, cerebral palsy and Guillain-Barre syndrome. Impairments such as weakness, loss of dexterity, loss of sensation and spasticity as well as secondary adaptations to these impairments, such as the development of contracture, will be studied. Students will learn to assess, train and measure everyday activities such as sitting, standing up, standing, walking, reaching and manipulating objects with the hand, rolling over and getting out of bed. The contribution of other health professionals to the rehabilitation process is also addressed.

### PHTY2050

#### Musculoskeletal Physiotherapy A Health Sciences

**Credit points:** 8 **Teacher/Coordinator:** Dr Leslie Nicholson **Session:** Semester 2 **Classes:** 2hrs lectures, 4hrs tutorials/week **Prerequisites:** BIOS1136 Functional Anatomy A, BIOS1144 Functional Anatomy B **Corequisites:** EXSS1028 Muscle Mechanics, PHTY2045 Evidence Based Physiotherapy, PHTY2047 Clinical Observation and Measurement, PHTY2051 Musculoskeletal Physiotherapy B **Assessment:** Mid semester practical exam (20%), end semester practical/viva exam (30%), end semester written exam (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty), UG Study Abroad Program.

The overall aim of this unit of study is to develop the skills required to assess, diagnose and manage simple musculoskeletal disorders of the lower extremity at a level appropriate to commence physiotherapy practicum. This unit will integrate knowledge from earlier foundation science and physiotherapy subjects. Students will develop the ability to select and implement interventions based on clinical reasoning, principles of evidence based practice and safety. Interventions will include selected electrophysical agents, exercise prescription, taping, manual therapy and the prescription of walking aids. This unit of study complements Musculoskeletal Physiotherapy B and lays the foundation for Musculoskeletal Physiotherapy C, D and E which will further develop skills in disorders of the spine, upper extremity and more complex musculoskeletal conditions.

### PHTY2051

#### Musculoskeletal Physiotherapy B Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Paulo Ferriera **Session:** Semester 2 **Classes:** 21hrs lectures, 36hrs tutorials **Prerequisites:** BIOS1136 Functional Anatomy A, BIOS1144 Functional Anatomy B **Corequisites:** EXSS1028 Muscle Mechanics, PHTY2045 Evidence Based Physiotherapy, PHTY2047 Clinical Observation and Measurement, PHTY2050 Musculoskeletal Physiotherapy A **Assessment:** Practical skill assessment mid and end semester, end semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty), UG Study Abroad Program.

The overall aim of this unit of study is to develop the skills required for primary care management of low back, hip/groin and pelvic pain at a level to commence musculoskeletal practicum. Students learn to "triage" patients to distinguish patients with non-specific pain from those suspected of having underlying disease/pathology. The unit covers the basic epidemiology of spinal pain (risk factors, clinical course, prognostic factors) and the assessment of treatment outcome. The evidence for management options is explored and students learn to apply a range of treatments such as advice, manual therapy, exercise, McKenzie therapy etc. Non-physiotherapy treatments such as surgery and drug therapy are also covered. The unit aims to teach students to integrate a variety of approaches into management of back, hip/groin and pelvic pain. This unit will integrate knowledge from earlier foundation science and physiotherapy subjects. Students will develop the ability to select and implement interventions based on clinical reasoning, principles of evidence based practice and safety.

This unit of study complements Musculoskeletal Physiotherapy A and lays the foundation for Musculoskeletal Physiotherapy C, D and E which will further develop skills in disorders of the spine, upper extremity and more complex musculoskeletal conditions.

### PHTY3051

#### Cardiopulmonary Physiotherapy B Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Lyndal Maxwell **Session:** Semester 1 **Classes:** Wks 1-6: two 1hr lectures, two 2hr tutorials/week; Wks 8-13: 1hr lecture, 2hr tutorial/week **Prerequisites:** EXSS2024 Applied Physiology, PHTY2048 Cardiopulmonary Physiotherapy A **Assessment:** Mid semester presentation, written assignment, end semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty).

The aim of this unit is to continue to develop knowledge and skills in the assessment and treatment of patients across the age spectrum with acute and chronic pulmonary dysfunction. This unit will introduce students to the knowledge, skills and clinical decision making processes necessary for effective treatment of patients across the age spectrum with acute and chronic cardiac dysfunction. This unit will develop the student's knowledge of exercise and aims to apply the principles of exercise testing, prescription and training to patients who have cardiac and pulmonary limitations to exercise and to other special populations. In addition, students will examine specific clinical and professional issues relating to the intensive care and acute care environment. The emphasis will be on appropriate assessment, safe and effective management of intubated and non-intubated patients.

### PHTY3052

#### Neurological Physiotherapy B Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Dr Colleen Canning **Session:** Semester 1 **Classes:** 1hr lecture, 2hr tutorials/week **Prerequisites:** PHTY2049 Neurological Physiotherapy A **Assessment:** End semester practical assessment, end semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty).

This unit consists of two modules. The first module introduces pathology, impairments, activity limitations and participation restrictions arising from conditions of acute onset which do not recover and require adaptation such as spinal cord injury and spina bifida. Impairments such as spasm, overactive cutaneous reflexes, skin breakdown, as well as adaptations to these impairments such as the development of contracture and loss of fitness will be studied. Students will learn to assess, train and measure outcome of everyday activities for these populations such as mobility via aided gait or wheelchair and hand function using a tenodesis grasp. The second module examines the pathology, impairments, activity limitations and participation restrictions arising from degenerative conditions which require adaptation such as Parkinsonism, multiple sclerosis and motor neuron disease. Impairments such as bradykinesia, dyskinesia, rigidity, tremor, ataxia and fatigue as well as adaptations to impairments such as the development of contracture and loss of fitness will be studied. Students will learn to assess and train or prescribe appropriate aids to enable activities such as rolling over, sitting, mobility, transferring and reaching and manipulating objects to be carried out.

### PHTY3053

#### Musculoskeletal Physiotherapy C Health Sciences

**Credit points:** 8 **Teacher/Coordinator:** Dr Bronwen Ackermann **Session:** Semester 1 **Classes:** 2hr lectures, 4hrs practicals, tutorials/week **Prerequisites:** PHTY2050 Musculoskeletal Physiotherapy A, PHTY2051 Musculoskeletal Physiotherapy B **Corequisites:** PHTY3054 Musculoskeletal Physiotherapy D **Assessment:** Mid semester practical assessment, end semester practical assessment, end semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty).

The overall aim of this unit is to further develop skills for assessment, diagnosis and management of musculoskeletal conditions with a focus on the upper extremity across the lifespan. The unit will cover selected

musculoskeletal conditions of the upper extremity including fractures, surgery and soft tissue injury. Students will develop their existing ability to select and implement physiotherapy interventions based on principles of clinical reasoning, evidence based practice and safety for the management of such conditions. Interventions will include exercise prescription, manual therapy, selected electrophysical agents and advice. This unit of study integrates knowledge from earlier foundation science and physiotherapy subjects (particularly Musculoskeletal Physiotherapy A and Musculoskeletal Physiotherapy B). This unit will complement Musculoskeletal Physiotherapy D and contribute to the foundations of Musculoskeletal Physiotherapy E which integrates Musculoskeletal Physiotherapy A, B, C and D to further develop skills in the management of more complex musculoskeletal conditions.

### PHTY3054

#### Musculoskeletal Physiotherapy D Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Susan Coulson **Session:** Semester 1 **Classes:** Wks 1-6: 1hr lecture, 2hr tutorial/week; Wks 7, 9-13: 2hrs lectures, two 2hrs tutorials/week **Prerequisites:** PHTY2050 Musculoskeletal Physiotherapy A, PHTY2051 Musculoskeletal Physiotherapy B **Corequisites:** PHTY3053 Musculoskeletal Physiotherapy C **Assessment:** Mid semester practical assessment, end semester written exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty).

This module aims to provide a detailed approach to history taking and performance of the physical examination of a patient with neck pain or thoracic spine pain. With the integration of communication and listening skills, application of sound physical testing procedures and clinical reasoning, the aim is to enable students to be able to diagnose/triage and manage neck pain or thoracic spine pain patients presenting to primary care and with a more complex presentation. Students will learn how to assess, manage and monitor cervical and thoracic spine conditions using evidence-based practice strategies and to understand how to differentiate symptoms arising from different regions, e.g., shoulder vs cervical spine and monitor the outcomes of treatment. This unit also includes modules on chronic pain cognitive behaviour therapy and common disorders of the face, head and neck including TMJ. This unit of study complements Musculoskeletal Physiotherapy C and lays the foundations for Musculoskeletal Physiotherapy E which will further develop skills in the management of more complex musculoskeletal conditions.

### PHTY3055

#### Physiotherapy Practicum A Health Sciences

**Credit points:** 8 **Teacher/Coordinator:** Ms Julia Patrick **Session:** Semester 1, Semester 2 **Classes:** Clinical placement **Prerequisites:** PHTY2046 Professional Practice, PHTY2047 Clinical Observation and Measurement, PHTY2048 Cardiopulmonary Physiotherapy A, PHTY2049 Neurological Physiotherapy A, PHTY2050 Musculoskeletal Physiotherapy A, PHTY2051 Musculoskeletal Physiotherapy B, PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B, PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (Phty).

This unit of study involves clinical placements in one of the following areas: rehabilitation, acute care, ambulatory/outpatients, community health and an elective unit such as paediatrics, private practice, burns or hand therapy. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. During practicums there will be opportunities for interprofessional learning. In addition, students will be responsible for individual and group training sessions such as strength and fitness programs. Physiotherapy practicums A, B, C, D, E are all five week placements which require full attendance (37 hours per week) at clinical facilities. In addition, at least one of the placements will be in a rural or regional setting.

**PHTY3056****Physiotherapy Practicum B****Health Sciences**

**Credit points:** 8 **Teacher/Coordinator:** Ms Julia Patrick **Session:** Semester 1, Semester 2 **Classes:** Clinical placement **Prerequisites:** PHTY2046 Professional Practice, PHTY2047 Clinical Observation and Measurement, PHTY2048 Cardiopulmonary Physiotherapy A, PHTY2049 Neurological Physiotherapy A, PHTY2050 Musculoskeletal Physiotherapy A, PHTY2051 Musculoskeletal Physiotherapy B, PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B, PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (Phty).

This unit of study involves clinical placements in one of the following areas: rehabilitation, acute care, ambulatory/outpatients, community health and an elective unit such as paediatrics, private practice, burns or hand therapy. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. During practicums there will be opportunities for interprofessional learning. In addition, students will be responsible for individual and group training sessions such as strength and fitness programs. Physiotherapy practicums A, B, C, D, E are all five week placements which require full attendance (37 hours per week) at clinical facilities. In addition, at least one of the placements will be in a rural or regional setting.

**PHTY3057****Physiotherapy Practicum C****Health Sciences**

**Credit points:** 8 **Teacher/Coordinator:** Ms Julia Patrick **Session:** Semester 1, Semester 2 **Classes:** Clinical placement **Prerequisites:** PHTY2046 Professional Practice, PHTY2047 Clinical Observation & Measurement, PHTY2048 Cardiopulmonary Physiotherapy A, PHTY2049 Neurological Physiotherapy A, PHTY2050 Musculoskeletal Physiotherapy A, PHTY2051 Musculoskeletal Physiotherapy B, PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B, PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B App Sc (Phty).

This unit of study involves clinical placements in one of the following areas: rehabilitation, acute care, ambulatory/outpatients, community health and an elective unit such as paediatrics, private practice, burns or hand therapy. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. During practicums there will be opportunities for interprofessional learning. In addition, students will be responsible for individual and group training sessions such as strength and fitness programs. Physiotherapy practicums A, B, C, D, E are all five week placements which require full attendance (37 hours per week) at clinical facilities. In addition, at least one of the placements will be in a rural or regional setting.

**PHTY4092****Musculoskeletal Physiotherapy E****Health Sciences**

**Credit points:** 4 **Teacher/Coordinator:** Dr Debra Shirley **Session:** Semester 1 **Classes:** Wks 1-5: 2-3hrs lectures, 4-6hrs tutorials/week **Prerequisites:** PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D **Assessment:** Practical exam (30%), written exam (70%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty) Hons, B App Sc (Phty).

This unit will focus on the development of advanced skills in assessment and management of the musculoskeletal system. This unit covers: spinal manipulation, physiotherapy and emerging technology, the changing role of the physiotherapist in the health care system and musculoskeletal complex cases. Students will be expected

to demonstrate competence in performance of spinal manipulative skills as well as demonstrate clinical reasoning in the application of these skills. Emerging technologies will be explored in relation to physiotherapy practice and students will evaluate the role of the physiotherapist in a changing health environment and explore future directions. In the complex cases module, the emphasis will be on multi-system complex problems, understanding the relevance of coexisting pathologies and integration with other core areas, e.g., depression/low back pain.

**PHTY4093****Cardiopulmonary & Neurological Physio****Health Sciences**

**Credit points:** 4 **Teacher/Coordinator:** Dr Lyndal Maxwell, Dr Louise Ada **Session:** Semester 1 **Classes:** Two 1hr lectures, two 2hr tutorials/week **Prerequisites:** PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B **Assessment:** Two written assignments (50% ea) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty) Hons, B App Sc (Phty).

This unit examines the theoretical basis for clinical intervention in cardiopulmonary and neurological physiotherapy. The cardiopulmonary module will examine a range of complex clinical issues organised on a case-basis including multi-system dysfunction (physiological, psychological and social) across the age spectrum. The neurological module will examine the history of neurological rehabilitation, acute neuromedical and neurosurgical interventions and the management of some less common neurological conditions. Students will be expected to evaluate the scientific basis and ethical, legal and practical implications of current physiotherapy interventions in relation to both cardiopulmonary and neurological conditions.

**PHTY4094****Physiotherapy Practicum D****Health Sciences**

**Credit points:** 8 **Teacher/Coordinator:** Ms Julia Patrick **Session:** Semester 1 **Classes:** Clinical placement **Prerequisites:** PHTY2046 Professional Practice, PHTY2047 Clinical Observation and Measurement, PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B, PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D **Corequisites:** PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B App Sc (Phty) Hons, B App Sc (Phty).

These units of study (PHTY4094 and PHTY4095) involve clinical placement in two of the following areas not previously covered in physiotherapy practicum A, B or C: rehabilitation, acute care, ambulatory/outpatients, community health and an elective unit such as paediatrics, private practice, burns or hand therapy. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. During practicums there will be opportunities for interprofessional learning. Physiotherapy practicums A, B, C, D, E are all five week placements which require full-time attendance (37 hours per week) at clinical facilities. In addition, at least one of the placements will be in a rural or regional setting.

**PHTY4095****Physiotherapy Practicum E****Health Sciences**

**Credit points:** 8 **Teacher/Coordinator:** Ms Julia Patrick **Session:** Semester 1 **Classes:** Clinical placement **Prerequisites:** PHTY2046 Professional Practice, PHTY2047 Clinical Observation and Measurement, PHTY3051 Cardiopulmonary Physiotherapy B, PHTY3052 Neurological Physiotherapy B, PHTY3053 Musculoskeletal Physiotherapy C, PHTY3054 Musculoskeletal Physiotherapy D **Corequisites:** PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary & Neurological Physio **Assessment:** 100% assessment based on clinical performance, written material, communication skills, organisational skills and professionalism **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B App Sc (Phty) Hons, B App Sc (Phty).



These units of study (PHTY4094 and PHTY4095) involve clinical placement in two of the following areas not previously covered in physiotherapy practicum A, B or C: rehabilitation, acute care, ambulatory/outpatients, community health and an elective unit such as paediatrics, private practice, burns or hand therapy. Students will be required to demonstrate competence in both the specific clinical skills for each area as well as the generic skills and attributes of physiotherapy professionals. During practicums there will be opportunities for interprofessional learning. Physiotherapy Practicums A, B, C, D, E are all five week placements which require full-time attendance (37 hours per week) at clinical facilities. In addition, at least one of the placements will be in a rural or regional setting.

### PHTY4096

#### Physiotherapy in Childhood

##### Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Ms Jane Butler **Session:** Semester 2 **Classes:** 1hr lecture/week, 2hr tutorials every 2nd week plus structured independent learning activities **Prerequisites:** PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary and Neurological Physio **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** Mid semester group assignment (40%), end semester written exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty) Hons, B App Sc (Phty), B Hlth Sc (Phty).

This unit of study aims to prepare the student as a competent entry-level practitioner in the area of paediatric physiotherapy. The student will become aware of the changes which occur from infancy through to maturity in neuromotor, musculoskeletal and cardiopulmonary development and will address issues related to assessment and training strategies in children with potential dysfunction in those systems. The emphasis of teaching strategy will be on problem solving for paediatric clinical scenarios via an approach of clinical reasoning. This learning approach will emphasise the importance of teamwork that will prepare the student for the health care setting. The unit will provide opportunity for the students to incorporate information gained from other units of study in order to achieve the learning outcomes of each clinical scenario.

### PHTY4097

#### Physiotherapy in the Workplace

##### Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Dr Martin Mackey **Session:** Semester 2 **Classes:** 1hr lecture/week, 2hr tutorials every 2nd week plus directed independent learning activities **Prerequisites:** PHTY4092 Musculoskeletal Physiotherapy E **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** Poster presentation (40%), written report (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty) Hons, B App Sc (Phty), B Hlth Sc (Phty).

This unit provides a framework for exploring a broad and emerging role of physiotherapy in the field of occupational health and safety with a focus on work injury prevention and early injury assessment and management. An evidence-based, risk management approach will be used to explore the patterns, causation and control of workplace injury and illness in Australia with particular emphasis on spinal, shoulder and upper limb disorders. Students will gain an understanding of the principles of ergonomics and task analysis and how these can be applied to work injury prevention. To this effect, the role of the physiotherapist in workplace consultancy will be evaluated. Assessment and management of work related disability will be explored. The unit will explore theoretical sociological perspectives on work and organisations in relation to injury causation and rehabilitation and examine the legislative and regulatory framework underpinning the process of injury assessment and management. Specific injury assessment and management strategies such as functional capacity evaluations and functional restoration programs will also be addressed.

### PHTY4098

#### Physiotherapy in Recreation

### Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Dr Debra Shirley **Session:** Semester 2 **Classes:** 1hr lecture, 2hr tutorials/week including directed independent learning activities **Prerequisites:** PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary and Neurological Physio **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** Mid semester group assignment (40%), end semester written exam (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty) Hons, B App Sc (Phty), B Hlth Sc (Phty).

The aim of this unit of study is for participants to apply the knowledge, skills and reasoning gained during coursework and clinical practicums to recreational activities. Participants will integrate this knowledge to design injury prevention/screening programs for people participating in recreational activities, to develop injury management programs for all recreation groups to facilitate their return to recreation and to plan and implement activity modification programs for those who are unable to participate in standard recreational activities. The relationship of public health issues, e.g., osteoporosis and childhood obesity, to recreation will also be explored. This unit of study will equip participants to manage complex and coexisting problems across the lifespan.

### PHTY4099

#### Physiotherapy in the Community

##### Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Dr Zoe McKeough **Session:** Semester 2 **Classes:** 1hr lecture, 2hr tutorials/week including directed independent learning activities **Prerequisites:** PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary and Neurological Physio **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** Mid semester group seminar (40%), end semester written assignment (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty) Hons, B App Sc (Phty), B Hlth Sc (Phty).

This unit covers the topic of community physiotherapy under two main themes. The first theme addresses the contribution of physiotherapy to the management of particular population groups who receive health care in community settings as a consequence of either personal choice or due to the nature of their chronic disease state; for example, individuals with diabetes, mental illness, and cancer. Health care issues specific to women, to men and to indigenous people will also be addressed. The second major theme will address physiotherapy service delivery in various community-based settings. This aspect of the unit will cover the process of developing a physiotherapy service, including issues such as strategic planning, quality management, health promotion and how to adapt physiotherapy services in the community according to cultural and socio-economic need. Teaching and learning methods will consist of lectures, tutorials and independent learning with student seminars covering some of the topics.

### PHTY4100

#### Physiotherapy for Older People

##### Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Ms Gemma Lloyd **Session:** Semester 2 **Classes:** 3hrs/week plus structured independent learning activities **Prerequisites:** PHTY4092 Musculoskeletal Physiotherapy E, PHTY4093 Cardiopulmonary and Neurological Physio **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** Mid semester group seminar (40%), end semester written assignment (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty) Hons, B App Sc (Phty), B Hlth Sc (Phty).

This unit of study is designed to enable students to examine the physiological, psychological and social changes associated with healthy ageing and the more common impairments, disabilities and handicap that arise in an older population. Integration of material from core areas of musculoskeletal, neurological and cardiopulmonary physiotherapy will be required in order to plan management and modify physiotherapy intervention for older persons. The role of the physiotherapist in a variety of environments and in conjunction with other health care resources will be discussed.

## PHTY4101

### Honours Research Dissertation Health Sciences

**Credit points:** 8 **Teacher/Coordinator:** Assoc Prof Sharon Kilbreath **Session:** Semester 2 **Classes:** 6hrs/week **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty) Hons.

The overall aim of this unit of study is to provide an opportunity for students of outstanding ability to develop research skills, and specifically, to participate in an investigative study of an aspect of the theoretical or clinical basis of physiotherapy. This unit of study comprises lectures on issues related to conduct of research and fieldwork in which the student participates in a research project. For the fieldwork component, the student will work under the supervision of an academic staff member on a project in which ethical approval has been obtained. The student will also gain experience in scientific writing by the completion of their dissertation. The dissertation will be on a topic broadly related to the project on which the student works.

## PHTY4109

### Elective Studies Health Sciences

**Credit points:** 4 **Teacher/Coordinator:** Dr Susan Coulson **Session:** Semester 2 **Corequisites:** PHTY4094 Physiotherapy Practicum D, PHTY4095 Physiotherapy Practicum E **Assessment:** A variety of assessment methods will be employed dependent upon the nature of the elective topic selected by the student **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B App Sc (Phty), B Hlth Sc (Phty).

Students will select an approved topic from a list of non-physiotherapy topics offered by the discipline of Physiotherapy.

## PHTY5164

### Ultrasound for Physiotherapists Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Debra Shirley **Session:** Semester 1 **Classes:** Flexible delivery mode with 2 intensive block attendances **Assessment:** 1500 word written assignment (30%), written exam (50%), practical exam (20%) **Campus:** Cumberland **Mode of delivery:** Block Mode   
*Note: Department permission required for enrolment.*

**Associated degrees:** Health Sciences PG Cross-Inst, Health Sciences PG Non Award, M Hlth Sc (Phty).

This unit of study aims to introduce graduate physiotherapists to the use of real time ultrasound in the visualisation and assessment of musculoskeletal structures. Students will be assisted in learning by the integration of the principles of real time scanning, appearances of anatomy as displayed in ultrasound images and instruction in equipment controls. While the emphasis will be on the use of ultrasound for biofeedback, some common diagnostic procedures such as rotator cuff sonography will be introduced to provide a basic appreciation of normal and pathological findings. Students will be expected to undertake some independent learning. Practical sessions will provide the opportunity for hands-on scanning with experienced tutors.

## PHYS1001

### Physics 1 (Regular) Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 3 hour laboratory and one 1 hour tutorial per week. **Corequisites:** Recommended concurrent Units of Study: MATH (1001/1901, 1002/1902) **Prohibitions:** PHYS1002, PHYS1901 **Assumed knowledge:** HSC Physics **Assessment:** 3 hour exam plus laboratories, tutorials, assignments and mid-semester tests **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B Com, M B, B S, B E, B Ed, B Sc (Psych), B Med Sc, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit of study is for students who gained 65 marks or better in HSC Physics or equivalent. The lecture series contains three modules

on the topics of mechanics, thermal physics, and oscillations and waves.

#### Textbooks

Young & Freedman. University Physics. 12th edition, with Mastering Physics, Addison-Wesley. 2008  
Experimental Physics Laboratory Manual - School of Physics Publication.

## PHYS1002

### Physics 1 (Fundamentals) Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 3 hour laboratory and one 1 hour tutorial per week. **Corequisites:** Recommended concurrent Units of Study: MATH (1001/1901, 1002/1902) **Prohibitions:** PHYS1001, PHYS1901 **Assumed knowledge:** No assumed knowledge of Physics **Assessment:** 3 hour exam plus laboratories, tutorials, assignments and mid-semester tests **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B Com, M B, B S, B E, B Ed, B Sc (Psych), B Med Sc, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit of study is designed for students who have not studied Physics previously or scored below 65 in HSC Physics. The lecture series contains modules on the language of physics, mechanics, and oscillations and waves.

#### Textbooks

College Physics: A Strategic Approach by Knight, Jones and Field, including Mastering Physics access key.

## PHYS1003

### Physics 1 (Technological) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 3 hour laboratory, one 1 hour tutorial per week. **Corequisites:** Recommended concurrent Units of Study: MATH (1003/1903), MATH (1005/1905). **Prohibitions:** PHYS1004, PHYS1902 **Assumed knowledge:** HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. **Assessment:** 3 hour exam plus laboratories, tutorials, and assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit*

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B Com, M B, B S, B E, B Ed, B Sc (Psych), B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit of study is designed for students majoring in physical and engineering sciences and emphasis is placed on applications of physical principles to the technological world. The lecture series contains modules on the topics of fluids, electromagnetism, and quantum physics.

#### Textbooks

Young & Freedman. University Physics. 12th edition, with Mastering Physics, Addison-Wesley. 2008  
Experimental Physics Laboratory Manual - School of Physics Publication.

## PHYS1004

### Physics 1 (Environmental & Life Science) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 3 hour laboratory and one 1 hour tutorial per week. **Corequisites:** Recommended concurrent Units of Study: MATH (1003/1903), MATH (1005/1905). **Prohibitions:** PHYS1003, PHYS1902 **Assumed knowledge:** HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. **Assessment:** 3 hour exam plus laboratories, tutorials, and assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit*

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B Com, M B, B S, B E, B Ed, B Sc (Psych), B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit of study has been designed specifically for students interested in further study in environmental and life sciences. The lecture series

contains modules on the topics of properties of matter, electromagnetism, and radiation and its interactions with matter.

#### Textbooks

College Physics: A Strategic Approach by Knight, Jones and Field, including Mastering Physics access key.

### PHYS1500 Astronomy Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 2 hour laboratory and one 1 hour tutorial per week. **Assumed knowledge:** No assumed knowledge of Physics. **Assessment:** 2 hour exam plus laboratories, assignments and night-viewing project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B E, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit of study provides a broad understanding of the structure, scale and diversity of the universe and an appreciation of the scientific methods used to achieve this understanding. Current areas of investigation, new ideas and concepts which often receive wide media attention will be used to demonstrate how science attempts to understand new and remote phenomena and how our ideas of our place in the universe are changing. The range of topics includes the planets, the solar system and its origin, spacecraft discoveries, stars, supernovas, black holes, galaxies, quasars, cosmology and the Big Bang. It also includes day and night sky observing sessions. This unit of study cannot be counted as part of the 12 credit points of Junior Physics necessary for enrolment in Intermediate Physics.

#### Textbooks

Bennett, J.O. et al. The Essential Cosmic Perspective. 4th edition, with Mastering Astronomy. Addison Wesley. 2006

### PHYS1551 Physics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHYS1552 Physics Exchange Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHYS1901 Physics 1A (Advanced) Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 3 hour laboratory and one 1 hour tutorial per week. **Prerequisites:** UAI of at least 96, or HSC Physics result in Band 6, or PHYS1902, or Distinction or better in PHYS (1003 or 1004) or an equivalent unit. **Corequisites:** Recommended concurrent Units of Study: MATH (1001/1901,1002/1902). **Prohibitions:** PHYS1001, PHYS1002 **Assessment:** 3 hour exam plus laboratories, tutorials, assignments and mid-semester tests **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B Com, M B, B S, B E, B Ed, B Sc (Psych), B Med Sc, B Sc, B Sc (Environmental), B Sc (Marine

Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit of study is intended for students who have a strong background in Physics and an interest in studying more advanced topics. It proceeds faster than Physics 1 (Regular), covering further and more difficult material. The lecture series contains modules on the topics of mechanics, thermal physics, oscillations and waves and chaos. The laboratory work also provides an introduction to computational physics using chaos theory as the topic of study.

#### Textbooks

Young and Freedman. University Physics, 12th edition, with Mastering Physics. Addison-Wesley. 2008.

Experimental Physics Laboratory Manual - School of Physics Publication.

### PHYS1902 Physics 1B (Advanced) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 3 hour laboratory and one 1 hour tutorial per week. **Prerequisites:** UAI of at least 96, or HSC Physics result in Band 6, or PHYS1901, or Distinction or better in PHYS (1001 or 1002) or an equivalent unit. **Corequisites:** Recommended concurrent unit of study: MATH (1003/1903), MATH (1005/1905). **Prohibitions:** PHYS1003, PHYS1004 **Assessment:** 3 hour exam plus laboratories, tutorials, and assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit*

**Associated degrees:** B A, B A (Adv)(Hons), M B B S, B Com, M B, B S, B E, B Ed, B Sc (Psych), B Med Sc, B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit of study is a continuation of the more advanced treatment of Physics 1A (Advanced). Students who have completed PHYS1001 or PHYS1002 at Distinction level may enrol. It proceeds faster than Physics 1 (Technological), covering further and more difficult material. The lecture series contains modules on the topics of fluids, electricity and magnetism, and quantum physics.

#### Textbooks

Young & Freedman. University Physics, 12th edition, with Mastering Physics. Addison-Wesley. 2008.

Experimental Physics Laboratory Manual - School of Physics Publication.

### PHYS2011 Physics 2A Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures per week for 11 weeks; one 2 hour computational laboratory and one 3 hour laboratory per week for 9 weeks. **Prerequisites:** 12 credit points of Junior Physics (excluding PHYS1500) **Prohibitions:** PHYS2001, PHYS2901, PHYS2911, PHYS2101, PHYS2103, PHYS2213, PHYS2203 **Assumed knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH (1005/1905) would also be useful **Assessment:** One 2 hour exam, one 1 hour computational test, practical work, practical report and oral presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), UG Study Abroad Program.

In combination with two semesters of Junior Physics, this unit of study continues a first pass through the major branches of classical and modern physics, providing students with a sound basis for later Physics units or for studies in other areas of science or technology. Hence, this unit suits students continuing with the study of physics at the general Intermediate level, and those wishing to round out their knowledge of physics before continuing in other fields.

The major topics in this unit of study are:

Optics: The wave nature of light, and its interactions with matter. Applications including spectroscopy and fibre optics.

Nuclear Physics: The fundamental structure of matter.

Computational Physics: In a PC-based computing laboratory students use simulation software to conduct virtual experiments in optics, which illustrate and extend the relevant lectures. Students also gain experience in the use of computers to solve problems in physics. An introductory session is held at the beginning of semester for students who are not familiar with personal computers.

Practical: Experimental Physics is taught as a laboratory module and includes experiments in the areas of optics, nuclear decay and particles, properties of matter, and other topics. Assessment is based on mastery of each attempted experiment. At the end of the semester students prepare a short report on one experiment and make an oral presentation on it.

*Textbooks*

Young and Freedman, University Physics, 12th edition. Addison-Wesley. 2008

## PHYS2012

### Physics 2B

#### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures per week; one 2 hour computational laboratory per week for 11 weeks. **Prerequisites:** PHYS (1003 or 1004 or 1902) and PHYS (1001 or 1002 or 1901 or 2001 or 2901 or 2011 or 2911) **Prohibitions:** PHYS2102, PHYS2104, PHYS2902, PHYS2002, PHYS2912, PHYS2213, PHYS2203 **Assumed knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH (1005/1905) would also be useful **Assessment:** One 3 hour exam, one 1 hour computational test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), UG Study Abroad Program.

This unit of study is designed for students continuing with the study of physics at the general Intermediate level, and represents the beginning of a more in-depth study of the main topics of classical and modern physics. The lecture topics are:

Quantum physics: The behaviour of matter and radiation at the microscopic level, modelled by the Schrodinger equation. Application to 1-dimensional systems including solid state physics.

Electromagnetic properties of matter: Electric and magnetic effects in materials; the combination of electric and magnetic fields to produce light and other electromagnetic waves; the effects of matter on electromagnetic waves.

Computational Physics: The computational physics component is similar to that of PHYS2011, except that the material illustrates topics in the quantum physics module.

*Textbooks*

Serway, Moses and Moyer 'Modern Physics'. Brooks/Cole

## PHYS2013

### Astrophysics and Relativity

#### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures per week for 11 weeks and one 3 hour laboratory per week for 12 weeks. **Prerequisites:** PHYS (1003 or 1004 or 1902) and PHYS (1001 or 1002 or 1901 or 2011 or 2911) **Corequisites:** PHYS (2012 or 2912) **Prohibitions:** PHYS2001, PHYS2901, PHYS2913, PHYS2101, PHYS2103 **Assumed knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful **Assessment:** One 2 hour exam, practical work, practical report and oral presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, UG Study Abroad Program.

This unit of study builds on the foundation provided by Junior Physics and first semester of Intermediate Physics, to provide an introduction to Astrophysics (Structure and evolution of stars), and Special Relativity (Space and time at high velocities).

Practical: Experimental Physics is taught as a laboratory module and includes experiments in the areas of analysis of stellar images, electromagnetic phenomena, electronic instrumentation, quantum physics, and other topics. Assessment is based on mastery of each attempted experiment. At the end of the semester students may work in teams on a project. Students prepare a written report and oral presentation on their project or one experiment.

*Textbooks*

Young and Freedman, University Physics, 11th 12th edition. Addison-Wesley. 2004 2008

## PHYS2213

### Physics 2EE

## Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures per week; one 2 hour computational laboratory per week for 10 weeks. **Prerequisites:** PHYS (1001 or 1901) and PHYS (1003 or 1902) **Prohibitions:** PHYS2203, PHYS2001, PHYS2901, PHYS2011, PHYS2911, PHYS2002, PHYS2902, PHYS2012, PHYS2912 **Assumed knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH (1005/1905) would also be useful **Assessment:** One 3 hour exam, one 1 hour computational test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B E.

This unit of study is designed to build on the knowledge gained in Junior Physics, to provide Electrical Engineering students with the knowledge of relevant topics of Physics at the Intermediate level, and with associated skills. Completion of the unit provides a solid foundation for further studies in Electrical Engineering and related engineering areas. The aims of this unit are linked to the generic attributes required of graduates of the University in knowledge skills, thinking skills, personal skills and attributes, and practical skills.

By the end of this unit of study, students will be able to describe and apply concepts in optics, electromagnetism and basic solid state physics and technology at the intermediate level. They will be able to use computational techniques to analyze optics problems.

The major topics in this unit of study are:

Optics (13 lectures): The wave nature of light, optical phenomena and the interaction of light with matter: interference and diffraction effects; fundamental limits to resolution of optical instruments; polarisation; dispersion; coherence; These are presented within the context of several key optical technologies including lasers, CD/DVD players, optical fibre communication systems, gratings and Mach Zehnder modulation.

Electromagnetic properties of matter (12 lectures): Electric and magnetic effects in materials; the combination of electric and magnetic fields to produce light and other electromagnetic waves in vacuum and matter.

Solid State and Device Physics (13 lectures): Introduction to quantum mechanics, Fermi-Dirac statistics, electronic properties of solids (metal, semiconductors & insulators), doping and the semiconductor PN junction;

Introduction to nanotechnology; fabrication technologies, nano-imaging technologies, nanoelectronics.

Computational Physics (10 sessions of 2 hours each): In a computing laboratory students use Matlab-based simulation software to conduct virtual experiments in optics, which illustrate and extend the relevant lectures. Students also gain experience in the use of computers to solve problems in physics.

*Textbooks*

Notes published by the School of Physics:

- Physics 2EE Computational Physics Optics Notes
- Physics 2EE Electromagnetic Properties of Matter Notes
- Physics 2EE Solid State and Device Physics Notes

Other texts to be announced

## PHYS2551

### Physics Exchange

#### Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## PHYS2552

### Physics Exchange

#### Science

**Credit points:** 8 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester

2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHYS2553

#### Physics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHYS2554

#### Physics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHYS2555

#### Physics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHYS2556

#### Physics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHYS2911

#### Physics 2A (Advanced) Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Two 1 hour lectures per week for 11 weeks; one 2 hour computational laboratory and one 3 hour laboratory per week for 9 weeks. **Prerequisites:** Credit or better in PHYS (1901 or 1001 or 1002) and Credit or better in PHYS (1902 or 1003 or 1004). **Prohibitions:** PHYS2901, PHYS2001, PHYS2011, PHYS2101, PHYS2103, PHYS2213,

PHYS2203 **Assumed knowledge:** MATH (1901/1001 and 1902/1002 and 1903/1003). MATH (1905/1005) would also be useful **Assessment:** One 2 hour exam, one 1 hour computational test, practical work, practical report and oral presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), UG Study Abroad Program.

This unit of study is designed for students with a strong interest in Physics. The lecture topics are as for PHYS2011. They are treated in greater depth and with more rigorous attention to derivations than in PHYS2011. The assessment reflects the more challenging nature of the material presented.

Computational Physics: As for PHYS2011, but at a more advanced level.

Practical: As for PHYS2011.

*Textbooks*

Young and Freedman, University Physics, 12th edition. Addison-Wesley. 2008

### PHYS2912

#### Physics 2B (Advanced) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures per week, one 2 hour computational laboratory per week for 11 weeks. **Prerequisites:** Credit or better in PHYS (1003 or 1004 or 1902) and Credit or better in PHYS (1001 or 1002 or 1901 or 2001 or 2901 or 2011 or 2911). **Prohibitions:** PHYS2102, PHYS2104, PHYS2902, PHYS2002, PHYS2012, PHYS2213, PHYS2203 **Assumed knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful **Assessment:** One 3 hour exam, one 1 hour computational test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Ed, B Sc (Psych), B Sc, B Sc (Environmental), UG Study Abroad Program.

Refer to PHYS2911 for an overall description of the Advanced Intermediate Physics program. The lecture topics are as for PHYS2012 with some advanced content. Computational Physics: As for PHYS2012, but at a more advanced level.

*Textbooks*

Young and Freedman, University Physics, 12th edition. Addison-Wesley. 2008

### PHYS2913

#### Astrophysics and Relativity (Advanced) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Two 1 hour lectures per week for 11 weeks; one 3 hour laboratory per week for 12 weeks. **Prerequisites:** Credit or better in PHYS (1003 or 1004 or 1902) and Credit or better in PHYS (1001 or 1002 or 1901 or 2011 or 2911) **Corequisites:** PHYS (2912 or 2012). **Prohibitions:** PHYS2001, PHYS2901, PHYS2013, PHYS2101, PHYS2103 **Assumed knowledge:** MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful. **Assessment:** One 3 hour exam, practical work, practical report and oral presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, UG Study Abroad Program.

Refer to PHYS2911 for an overall description of the Advanced Intermediate Physics program. The lecture topics are as PHYS2013 with some advanced content. Practical: as for PHYS2013.

*Textbooks*

Young and Freedman, University Physics, 12th edition. Addison-Wesley. 2008

### PHYS3015

#### Topics in Senior Physics A Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** 40 hours per semester. **Prerequisites:** 12 credit points of Intermediate Physics **Assumed knowledge:** 6 credit points of Intermediate Mathematics **Assessment:** Exams and/or practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Ed, B Sc (Psych), B Sc, UG Study Abroad Program.

This unit is normally restricted to students not majoring in Physics, giving them the flexibility to take a combination of modules that is not

offered in the standard units. Please obtain permission from the Senior Physics Coordinator.

### PHYS3025

#### Topics in Senior Physics B Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** 40 hours per semester. **Prerequisites:** 12 credit points of Intermediate Physics **Assumed knowledge:** 6 credit points of Intermediate Mathematics **Assessment:** Exams and/or practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Ed, B Sc (Psych), B Sc, UG Study Abroad Program.

This unit is normally restricted to students not majoring in Physics, giving them the flexibility to take a combination of modules that is not offered in the standard units. Please obtain permission from the Senior Physics Coordinator.

### PHYS3040

#### Electromagnetism & Physics Lab Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Nineteen 1 hour lectures and twelve 4 hour practicals. **Prerequisites:** PHYS(2011 or 2911 or 2001 or 2901), PHYS(2012 or 2912 or 2002 or 2902), MATH(2061 or 2961 or 2067) **Prohibitions:** PHYS3940, PHYS3941, PHYS3011, PHYS3014, PHYS3016, PHYS3017, PHYS3911, PHYS3914, PHYS3916, PHYS3917 **Assessment:** One 1.5 hour exam, practical reports and oral presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

The lectures cover the theory of electromagnetism, one of the cornerstones of classical physics. They introduce Maxwell's equations in their differential form, using the power of vector calculus. The main application will be to electromagnetic waves, including reflection and absorption, which have application in fields such as optics, plasma physics and astrophysics. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

#### Textbooks

Griffiths, DJ. Introduction to Electrodynamics. Third Edition.

### PHYS3051

#### Thermodynamics/Biol. Physics & Lab Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Thirty-eight 1 hour lectures and six 4 hour practicals. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) **Prohibitions:** PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3059, PHYS3959 **Assessment:** One 2 hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

The lectures on Thermodynamics provide an introduction to the subject, emphasising the use of entropy, chemical potential, and free energy. They also introduce statistical mechanics, including the classical Boltzmann distribution and some quantum statistical mechanics. The Biological Physics component will cover applications of physics to biological systems, including topics such as molecular biology, structure and properties of polymers and proteins, thermodynamics of cells, transport of biomolecules, excitation of nerve impulses, and computer simulations of biological systems. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

#### Textbooks

Schroeder, DV. An Introduction to Thermal Physics. Addison-Wesley. 2000

### PHYS3052

#### Nanoscience/Thermodynamics & Lab Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Thirty-eight 1 hour lectures and six 4 hour practicals **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) **Prohibitions:** PHYS3952, PHYS3050, PHYS3051, PHYS3053, PHYS3056, PHYS3950, PHYS3951, PHYS3953, PHYS3956, PHYS3013, PHYS3021, PHYS3913, PHYS3921, PHYS3057, PHYS3957, PHYS3058, PHYS3958 **Assessment:** One 2 hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

Nanoscience is the study of the behaviour of light and matter as they interact with structures that have features on nanometre scales. This part of the course will cover the fundamental physics of nanoscience and the methods used for manipulating matter and creating structures on these scales. The lectures on Thermodynamics provide an introduction to the subject, emphasising the use of entropy, chemical potential, and free energy. They also introduce statistical mechanics, including the classical Boltzmann distribution and some quantum statistical mechanics. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

#### Textbooks

Schroeder, DV. An Introduction to Thermal Physics. Addison-Wesley. 2000

### PHYS3054

#### Nanoscience/Plasma Physics & Physics Lab Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Thirty-eight 1 hour lectures and six 4 hour practicals. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) **Prohibitions:** PHYS3954, PHYS3050, PHYS3950, PHYS3052, PHYS3952, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3059, PHYS3959, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 2 hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

Nanoscience is the study of the behaviour of light and matter as they interact with structures that have features on nanometre scales. This part of the course will cover the fundamental physics of nanoscience and the methods used for manipulating matter and creating structures on these scales. Plasma Physics is the study of ionised gases, which are collections of charged and neutral particles and form the main constituent of the Universe. The lectures cover the properties of plasmas and their applications, including nuclear fusion energy, materials synthesis and modification, environmental remediation, aerospace, nano and biomedical technologies. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

### PHYS3055

#### Nanoscience/Plasma/Thermodynamics Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Fifty-seven 1 hour lectures. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) **Prohibitions:** PHYS3955, PHYS3050, PHYS3950, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3059, PHYS3959, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

Nanoscience is the study of the behaviour of light and matter as they interact with structures that have features on nanometre scales. This part of the course will cover the fundamental physics of nanoscience and the methods used for manipulating matter and creating structures on these scales. Plasma Physics is the study of ionised gases, which are collections of charged and neutral particles and form the main constituent of the Universe. The lectures cover the properties of plasmas and their applications, including nuclear fusion energy, materials synthesis and modification, environmental remediation, aerospace, nano and biomedical technologies. The lectures on Thermodynamics provide an introduction to the subject, emphasising the use of entropy, chemical potential, and free energy. They also introduce statistical mechanics, including the classical Boltzmann distribution and some quantum statistical mechanics.

#### Textbooks

Schroeder, DV. An Introduction to Thermal Physics. Addison-Wesley. 2000

### PHYS3057

#### Nanoscience/Thermodynamic/Biol.Phys Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Fifty-seven 1 hour lectures. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) **Prohibitions:** PHYS3957, PHYS3050, PHYS3950, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3059, PHYS3959 **Assessment:** One 3 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

Nanoscience is the study of the behaviour of light and matter as they interact with structures that have features on nanometre scales. This part of the course will cover the fundamental physics of nanoscience and the methods used for manipulating matter and creating structures on these scales. The lectures on Thermodynamics provide an introduction to the subject, emphasising the use of entropy, chemical potential, and free energy. They also introduce statistical mechanics, including the classical Boltzmann distribution and some quantum statistical mechanics. The Biological Physics component will cover applications of physics to biological systems, including topics such as molecular biology, structure and properties of polymers and proteins, thermodynamics of cells, transport of biomolecules, excitation of nerve impulses, and computer simulations of biological systems.

#### Textbooks

Schroeder, DV. An Introduction to Thermal Physics. Addison-Wesley. 2000.

### PHYS3059

#### Plasma/Thermodynamics/Biol. Physics Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Fifty-seven 1 hour lectures. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) **Prohibitions:** PHYS3959, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

Plasma Physics is the study of ionised gases, which are collections of charged and neutral particles and form the main constituent of the Universe. The lectures cover the properties of plasmas and their applications, including nuclear fusion energy, materials synthesis and modification, environmental remediation, aerospace, nano and biomedical technologies. The lectures on Thermodynamics provide

an introduction to the subject, emphasising the use of entropy, chemical potential, and free energy. They also introduce statistical mechanics, including the classical Boltzmann distribution and some quantum statistical mechanics. The Biological Physics component will cover applications of physics to biological systems, including topics such as molecular biology, structure and properties of polymers and proteins, thermodynamics of cells, transport of biomolecules, excitation of nerve impulses, and computer simulations of biological systems.

#### Textbooks

Schroeder, DV. An Introduction to Thermal Physics. Addison-Wesley. 2000

### PHYS3060

#### Quantum Mechanics & Physics Lab Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Nineteen 1 hour lectures and six 4 hour practicals. **Prerequisites:** PHYS(2011 or 2911 or 2001 or 2901); PHYS(2012 or 2912 or 2002 or 2902); MATH(2061 or 2961 or 2067) **Prohibitions:** PHYS3960, PHYS3961, PHYS3011, PHYS3024, PHYS3026, PHYS3027, PHYS3911, PHYS3924, PHYS3926, PHYS3927 **Assessment:** One 1.5 hour exam, practical reports and oral presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

The lectures cover the fundamental concepts and formalism of quantum dynamics, and the application to angular momentum and symmetry in quantum mechanics. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

#### Textbooks

Eisberg, R and Resnick, R. Quantum Physics of Atoms, Molecules, Solids, Nuclei, and Particles. Second Edition.

### PHYS3062

#### Quantum/Cond Matter Physics & Lab Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Thirty-eight 1 hour lectures plus six 4 hour practicals **Prerequisites:** PHYS2012 or PHYS2912 **Prohibitions:** PHYS3060, PHYS3960, PHYS3961, PHYS3962, PHYS3068, PHYS3968, PHYS3070, PHYS3970, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981 **Assessment:** one 1.5 hour exam, one 1hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit of study is intended for students majoring in Nanoscience and Technology. It should not be taken by students majoring in Physics. The lectures on Quantum Mechanics cover the fundamental concepts and formalism of quantum dynamics, and the application to angular momentum and symmetry in quantum mechanics. The lectures on Condensed Matter Physics cover the theoretical underpinning and properties of condensed matter, specifically the physics of solids. Semiconductors are investigated in detail, considering recent discoveries and new developments in nanotechnology and lattice dynamics. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

#### Textbooks

Eisberg, R and Resnick, R. Quantum Physics of Atoms, Molecules, Solids, Nuclei, and Particles. Second Edition.

### PHYS3068

#### Optics/Cond. Matter & Lab Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Thirty-eight 1 hour lectures and six 4 hour practicals. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) **Prohibitions:** PHYS3968, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3069, PHYS3969, PHYS3070,

PHYS3970, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 2 hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

The lectures on Optics introduce students to modern optics, using the laser to illustrate the applications in studying the properties of matter and many important optical phenomena. The lectures on Condensed Matter Physics cover the theoretical underpinning and properties of condensed matter, specifically the physics of solids. Semiconductors are investigated in detail, considering recent discoveries and new developments in nanotechnology and lattice dynamics. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

### PHYS3069

#### Optics/High Energy Physics & Lab Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Thirty-eight 1 hour lectures and six 4 hour practicals **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) **Prohibitions:** PHYS3969, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3068, PHYS3968, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3076, PHYS3976, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 2 hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

The lectures on Optics introduce students to modern optics, using the laser to illustrate the applications in studying the properties of matter and many important optical phenomena. The lectures on High Energy Physics cover the basic constituents of matter, such as quarks and leptons, examining their fundamental properties and interactions, and their origin at the creation of the universe. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

### PHYS3071

#### High Energy/Astrophysics & Lab Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Thirty-eight 1 hour lectures and six 4 hour practicals **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) **Prohibitions:** PHYS3971, PHYS3069, PHYS3969, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assessment:** One 2 hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

The lectures on High Energy Physics cover the basic constituents of matter, such as quarks and leptons, examining their fundamental properties and interactions, and their origin at the creation of the universe. The lectures on Astrophysics explore astrophysical environments inside stars and beyond (e.g. the interstellar medium, the intergalactic medium and galaxies themselves) and focus on one of the most important physical processes in astrophysics: the transport of radiative energy. In the practical laboratory classes, students will

choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

### PHYS3074

#### High Energy/Cond. Matter Physics & Lab Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Thirty-eight 1 hour lectures and six 4 hour practicals **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) **Prohibitions:** PHYS3974, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Quantum Mechanics at Senior Physics level; MATH (2061 or 2961) **Assessment:** One 2 hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

Plasma Physics is the study of ionized gases, which are collections of charged and neutral particles and form the main constituent of the Universe. The lectures cover the properties of plasmas and their applications, including nuclear fusion energy, materials synthesis and modification, environmental remediation, aerospace, nano- and biomedical technologies. The lectures on High Energy Physics cover the basic constituents of matter, such as quarks and leptons, examining their fundamental properties and interactions, and their origin at the creation of the universe. In the practical laboratory classes, students will choose from a range of experiments that aim to give them an appreciation of the analytical, technical and practical skills required to conduct modern experimental work.

### PHYS3079

#### Cond. Matter/High Energy/Astrophysics Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Fifty-seven 1 hour lectures **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) **Prohibitions:** PHYS3979, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Quantum Mechanics at Senior Physics level; MATH (2061 or 2961) **Assessment:** One 3 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

The lectures on Condensed Matter Physics cover the theoretical underpinning and properties of condensed matter, specifically the physics of solids. Semiconductors are investigated in detail, considering recent discoveries and new developments in nanotechnology and lattice dynamics. The lectures on High Energy Physics cover the basic constituents of matter, such as quarks and leptons, examining their fundamental properties and interactions, and their origin at the creation of the universe. The lectures on Astrophysics explore astrophysical environments inside stars and beyond (e.g. the interstellar medium, the intergalactic medium and galaxies themselves) and focus on one of the most important physical processes in astrophysics: the transport of radiative energy.

### PHYS3080

#### Optics/Cond.Matter/High Energy Physics Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Fifty-seven 1 hour lectures **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) **Prohibitions:** PHYS3980, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975,



PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3081, PHYS3981, PHYS3082, PHYS3982  
**Assumed knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

The lectures on Optics introduce students to modern optics, using the laser to illustrate the applications in studying the properties of matter and many important optical phenomena. The lectures on Condensed Matter Physics cover the theoretical underpinning and properties of condensed matter, specifically the physics of solids. Semiconductors are investigated in detail, considering recent discoveries and new developments in nanotechnology and lattice dynamics. The lectures on High Energy Physics cover the basic constituents of matter, such as quarks and leptons, examining their fundamental properties and interactions, and their origin at the creation of the universe.

### PHYS3081

#### Optics/Cond. Matter/Astrophysics Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Fifty-seven 1 hour lectures  
**Prerequisites:** PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) **Prohibitions:** PHYS3981, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3082, PHYS3982 **Assumed knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

The lectures on Optics introduce students to modern optics, using the laser to illustrate the applications in studying the properties of matter and many important optical phenomena. The lectures on Condensed Matter Physics cover the theoretical underpinning and properties of condensed matter, specifically the physics of solids. Semiconductors are investigated in detail, considering recent discoveries and new developments in nanotechnology and lattice dynamics. The lectures on Astrophysics explore astrophysical environments inside stars and beyond (e.g. the interstellar medium, the intergalactic medium and galaxies themselves) and focus on one of the most important physical processes in astrophysics: the transport of radiative energy.

### PHYS3082

#### Optics/High Energy/Astrophysics Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Fifty-seven 1 hour lectures  
**Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) **Prohibitions:** PHYS3982, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

The lectures on Optics introduce students to modern optics, using the laser to illustrate the applications in studying the properties of matter and many important optical phenomena. The lectures on High Energy Physics cover the basic constituents of matter, such as quarks and leptons, examining their fundamental properties and interactions, and

their origin at the creation of the universe. The lectures on Astrophysics explore astrophysical environments inside stars and beyond (e.g. the interstellar medium, the intergalactic medium and galaxies themselves) and focus on one of the most important physical processes in astrophysics: the transport of radiative energy.

### PHYS3551

#### Physics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHYS3552

#### Physics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHYS3553

#### Physics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHYS3554

#### Physics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHYS3555

#### Physics Exchange Science

**Credit points:** 8 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHYS3556 Physics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHYS3557 Physics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHYS3558 Physics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHYS3559 Physics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PHYS3915 Topics in Senior Physics A (Advanced) Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** 40 hours per semester **Prerequisites:** 12 credit points of Intermediate Physics. **Assumed knowledge:** 6 credit points of Intermediate Mathematics **Assessment:** Exams and/or laboratory reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Ed, B Sc (Psych), B Sc, UG Study Abroad Program.

This unit of study covers the same topics as PHYS3015, with some more challenging material.

### PHYS3925 Topics in Senior Physics B (Advanced) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** 40 hours per semester **Prerequisites:** 12 credit points of Intermediate Physics with a Credit average and 6 credit points of Intermediate Mathematics. **Assessment:** Exams and/or laboratory reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B E, B Ed, B Sc (Psych), B Sc, UG Study Abroad Program.

This unit of study covers the same topics as PHYS3025, with some more challenging material.

### PHYS3940 Electromagnetism & Physics Lab (Adv) Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Nineteen 1 hour lectures and twelve 4 hour practicals. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with a grade of at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with a grade of at least Credit; MATH (2061 or 2961 or 2067) **Prohibitions:** PHYS3040, PHYS3941, PHYS3011, PHYS3014, PHYS3016, PHYS3017, PHYS3911, PHYS3914, PHYS3916, PHYS3917 **Assessment:** One 1.5 hour exam, practical reports and oral presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit covers the same topics as PHYS3040, but with greater depth and some more challenging material.

*Textbooks*  
Griffiths, DJ. Introduction to Electrodynamics. Third Edition.

### PHYS3941 Electromagnetism & Special Project (Adv) Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Nineteen 1 hour lectures, 4 hours per week with a research group. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; MATH (2061 or 2961 or 2067) **Prohibitions:** PHYS3040, PHYS3940, PHYS3961, PHYS3011, PHYS3911, PHYS3918, PHYS3928 **Assessment:** One 1.5 hour exam, project report and talk **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Approval for this unit must be obtained from the School of Physics Senior Coordinator.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

The lectures cover the theory of electromagnetism, one of the cornerstones of classical physics. They introduce Maxwell's equations in their differential form, using the power of vector calculus. The main application will be to electromagnetic waves, including reflection and absorption, which have application in fields such as optics, plasma physics and astrophysics. The project is carried out in a research group within the School of Physics, working on a research experiment or theoretical project supervised by a researcher. The aim is for students to acquire an understanding of the nature of research, to apply their knowledge of physics and scientific practice, and to serve as preparation for a research project at Honours level and beyond.

*Textbooks*  
Griffiths, DJ. Introduction to Electrodynamics. Third Edition.

### PHYS3951 Thermodynamics/Biol. Physics & Lab (Adv) Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Thirty-eight 1 hour lectures and six 4 hour practicals. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit **Prohibitions:** PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953,

PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3059, PHYS3959 **Assessment:** One 2 hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit covers the same topics as PHYS3051, but with greater depth and some more challenging material.

#### Textbooks

Schroeder, DV. An Introduction to Thermal Physics. Addison-Wesley. 2000

### PHYS3952

#### Nanoscience/Thermodynamics & Lab (Adv)

##### Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Thirty-eight 1 hour lectures and six 4 hour practicals **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit **Prohibitions:** PHYS3052, PHYS3050, PHYS3051, PHYS3053, PHYS3056, PHYS3950, PHYS3951, PHYS3953, PHYS3956, PHYS3013, PHYS3021, PHYS3913, PHYS3921, PHYS3057, PHYS3957, PHYS3058, PHYS3958 **Assessment:** One 2 hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Med Sc, M B, B S, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit covers the same topics as PHYS3052, but with greater depth and some more challenging material.

#### Textbooks

Schroeder, DV. An Introduction to Thermal Physics. Addison-Wesley. 2000

### PHYS3954

#### Nanoscience/Plasma Physics & Lab (Adv)

##### Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Thirty-eight 1 hour lectures and six 4 hour practicals **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit **Prohibitions:** PHYS3054, PHYS3050, PHYS3950, PHYS3052, PHYS3952, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3059, PHYS3959, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 2 hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit covers the same topics as PHYS3054, but with greater depth and some more challenging material.

### PHYS3955

#### Nanoscience/Plasma/Thermodynamics (Adv)

##### Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Fifty-seven 1 hour lectures. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit **Prohibitions:** PHYS3055, PHYS3050, PHYS3950, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3059, PHYS3959, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit covers the same topics as PHYS3055, but with greater depth and some more challenging material.

#### Textbooks

Schroeder, DV. An Introduction to Thermal Physics. Addison-Wesley. 2000

### PHYS3957

#### Nanoscience/Thermodynamic/Biol.Phys(Adv) Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Fifty-seven 1 hour lectures. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit **Prohibitions:** PHYS3057, PHYS3050, PHYS3950, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3059, PHYS3959 **Assessment:** One 3 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit covers the same topics as PHYS3057, but with greater depth and some more challenging material.

#### Textbooks

Schroeder, DV. An Introduction to Thermal Physics. Addison-Wesley. 2000

### PHYS3959

#### Plasma/Thermodynamics/Biol.Physics (Adv)

##### Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Fifty-seven 1 hour lectures. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit **Prohibitions:** PHYS3059, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3070, PHYS3970, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit covers the same topics as PHYS3059, but with greater depth and some more challenging material.

#### Textbooks

Schroeder, DV. An Introduction to Thermal Physics. Addison-Wesley. 2000

### PHYS3960

#### Quantum Mechanics & Physics Lab (Adv)

##### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Nineteen 1 hour lectures and twelve 4 hour practicals **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; MATH (2061 or 2961 or 2067) **Prohibitions:** PHYS3060, PHYS3961, PHYS3011, PHYS3024, PHYS3026, PHYS3027, PHYS3911, PHYS3924, PHYS3926, PHYS3927 **Assessment:** One 1.5 hour exam, practical reports and oral presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit covers the same topics as PHYS3060, but with greater depth and some more challenging material.

#### Textbooks

Liboff, RL. Introductory Quantum Mechanics. Fourth Edition.

### PHYS3961

#### Quantum Mechanics & Special Project(Adv)

##### Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Nineteen 1 hour lectures and 4 hours per week with a research group. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; MATH (2061 or 2961 or 2067) **Prohibitions:** PHYS3060, PHYS3960, PHYS3941, PHYS3011, PHYS3911, PHYS3918, PHYS3928 **Assessment:** One 1.5 hour exam, project report and oral presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Approval for this unit must be obtained from the School of Physics Senior Coordinator*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

The lectures cover the fundamental concepts and formalism of quantum dynamics, and the application to angular momentum and symmetry in quantum mechanics. The project is carried out in a research group within the School of Physics, working on a research experiment or theoretical project supervised by a researcher. The aim is for students to acquire an understanding of the nature of research, to apply their knowledge of physics and scientific practice, and to serve as preparation for a research project at Honours level and beyond.

*Textbooks*

Liboff, RL. Introductory Quantum Mechanics. Fourth Edition.

### PHYS3962

#### Quantum/Cond Matter Physics & Lab (Adv) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Thirty-eight 1 hour lectures plus six 4 hour practicals **Prerequisites:** PHYS2012 or PHYS2912 with result of credit or better **Prohibitions:** PHYS3060, PHYS3960, PHYS3961, PHYS3062, PHYS3068, PHYS3968, PHYS3070, PHYS3970, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981 **Assessment:** One 1.5 hour exam, one 1 hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit of study is intended for students majoring in Nanoscience and Technology. It should not be taken by students majoring in Physics. This unit of study covers the same topics as PHYS3062, but with greater depth and some more challenging material.

*Textbooks*

Liboff, RL. Introductory Quantum Mechanics. Fourth Edition.

### PHYS3968

#### Optics/Cond. Matter & Lab (Adv) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Thirty-eight 1 hour lectures and six 4 hour practicals **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit **Prohibitions:** PHYS3068, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 2 hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit covers the same topics as PHYS3068, but with greater depth and some more challenging material.

### PHYS3969

#### Optics/High Energy Physics & Lab (Adv) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Thirty-eight 1 hour lectures and six 4 hour practicals **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit **Prohibitions:** PHYS3069, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3068, PHYS3968, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3076, PHYS3976, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 2 hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed

(Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit covers the same topics as PHYS3069, but with greater depth and some more challenging material.

### PHYS3971

#### High Energy/Astrophysics & Lab (Adv) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Thirty-eight 1 hour lectures and six 4 hour practicals **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit **Prohibitions:** PHYS3071, PHYS3069, PHYS3969, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assessment:** One 2 hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit covers the same topics as PHYS3071, but with greater depth and some more challenging material.

### PHYS3974

#### High Energy/Cond. Matter Phys.& Lab(Adv) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Thirty-eight 1 hour lectures and six 4 hour practicals. **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit ; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit **Prohibitions:** PHYS3074, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Quantum Mechanics at Senior Physics level; MATH (2061 or 2961) **Assessment:** One 2 hour exam, practical reports **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit covers the same topics as PHYS3074, but with greater depth and some more challenging material.

### PHYS3979

#### Cond. Matter/High Energy/Astrophys (Adv) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Fifty-seven 1 hour lectures **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit **Prohibitions:** PHYS3079, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Quantum Mechanics at Senior Physics level; MATH (2061 or 2961) **Assessment:** One 3 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit covers the same topics as PHYS3079, but with greater depth and some more challenging material.

### PHYS3980

#### Optics/Cond.Matter/High Energy Phys(Adv) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Fifty-seven 1 hour lectures **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit **Prohibitions:** PHYS3080, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069,

PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit covers the same topics as PHYS3080, but with greater depth and some more challenging material.

### PHYS3981

#### Optics/Cond. Matter/Astrophysics (Adv) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Fifty-seven 1 hour lectures **Prerequisites:** PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit **Prohibitions:** PHYS3081, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3082, PHYS3982 **Assumed knowledge:** Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit covers the same topics as PHYS3081, but with greater depth and some more challenging material.

### PHYS3982

#### Optics/High Energy/Astrophysics (Adv) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Fifty-seven 1 hour lectures **Prerequisites:** PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit **Prohibitions:** PHYS3082, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3071, PHYS3971, PHYS3072, PHYS3972, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3078, PHYS3978, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981 **Assumed knowledge:** Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) **Assessment:** One 3 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com (Liberal Studies), B Com, LL B, B E, B Ec Soc Sc, B Ec Soc Sc, LL B, B Ed (Sec), B Sc, B Int S, B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

This unit covers the same topics as PHYS3082, but with greater depth and some more challenging material.

### PHYS4011

#### Physics Honours A Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B S T (Hons), B Sc (Hons).

Students enrolled in the Honours programs study various advanced aspects of Physics. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

### PHYS4012

#### Physics Honours B

### Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** PHYS4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S T (Hons), B Sc (Hons).

See PHYS4011

### PHYS4013

#### Physics Honours C Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** PHYS4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S T (Hons), B Sc (Hons).

See PHYS4011

### PHYS4014

#### Physics Honours D Science

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** PHYS4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S T (Hons), B Sc (Hons).

See PHYS4011

### PLNT2001

#### Plant Biochemistry and Molecular Biology Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Meredith Wilkes, Prof Les Copeland, Dr Rosanne Quinell **Session:** Semester 1 **Classes:** 2-3 lec/week, 32 hrs total; tutorials: 5 hrs total; laboratories: 36 hrs total **Prerequisites:** 12 credit points of Junior Chemistry and 12 credit points of Junior Biology (or with the Dean's permission BIOL1201 and BIOL1202) **Prohibitions:** PLNT2901, AGCH2001 **Assessment:** One 2hr exam, practical reports, practical quizzes, theory of practical exam, 400 word writing assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc Agr, UG Study Abroad Program.

This unit of study is designed to develop an understanding of the molecular principles that underlie the structure and function of plants and how these principles relate to the use of plants by humans as a source of food and fibre.

The unit is a core unit for BScAgr and BHortSc students and an elective for BSc and other degree programs. It recognizes the specialized nature of plant biochemistry and molecular biology and is a platform for students who wish to gain a sound knowledge of plant growth and development.

This unit covers the biochemistry of the main carbohydrate, lipid, protein and nucleic acid constituents of plants, metabolic pathways that regulate plant growth and development, the mobilization and deposition of storage reserves, storage and expression of genetic information and plant responses to environmental influences. The role of molecular biology in the manipulation of plant growth and development will also be explored.

At the completion of this unit students will be able to demonstrate theoretical knowledge of the biochemical structure and function of plants and how molecular biology can enhance our use of plants as food and fibres. Students will also be able to demonstrate abilities in the practice of laboratory methods used to analyse plants and the effective communication of experimental findings.

Students enrolled in this unit will gain research and enquiry skills through attendance at lectures and participation in laboratory classes and tutorials, information literacy and communication skills through the synthesis of information used to prepare practical reports, social and professional understanding by participation in groupwork and assessments that seek to understand the role of agriculture in the broader community.

*Textbooks*

No recommended text. A study guide/laboratory manual will be available for purchase from the Copy Centre during the first week of semester. Lecture notes and readings will be available through WebCT.

## PLNT2002

### Aust Flora: Ecology and Conservation Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Glenda Wardle, Dr Murray Henwood.  
**Session:** Semester 1 **Classes:** (2 hrs lec & 3 hrs prac)/wk, audiovisual.  
**Prerequisites:** 6 credit points of a Junior unit of study **Prohibitions:** PLNT2902  
**Assessment:** One 2-hr exam (40%), laboratory reports (20%) herbarium (20%), one 2-hr practical exam (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B An Vet Bio Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc Agr, UG.

This unit provides a broad understanding of the evolution, classification and diversity of terrestrial plants, and the principles of plant ecology in an Australian context. The major types of Australian vegetation are discussed across a range of temporal and spatial scales, and their current distribution related to their environment and origins. Selected contemporary issues in plant conservation from Australian natural and managed systems are explored. There is a strong emphasis on practical skills such as phylogenetic inference, plant identification and the collection and analysis of ecological data. The practical component of the unit of study uses examples taken from the Australian flora (including plants of horticultural significance) and major crop plants. Important elements of this unit are half-day field trips to the Royal National Park, and the construction of student herbaria. The practical sessions and interactions with staff encourage students to develop their own learning style and enhance a strong sense of self-reliance. Critical thinking, effective communication and other vocational and generic skills are emphasized. The content is well suited to students with interests in botany, plant science and ecology, and is often combined with units of study offered through the School of Biological Sciences and the Faculty of Agriculture, Food and Natural Resources. This unit of study also complements a wide range of units of study from: science (e.g. plant science, earth and environmental science, animal science, bioinformatics, molecular and cell biology, genetics and biotechnology); agriculture (e.g. horticulture, land and water science, and natural resources); and broader disciplines (e.g. education, arts, and environmental law).

#### Textbooks

A Laboratory Manual for the unit will be available for purchase from the Copy Centre during the first week of Semester.

## PLNT2003

### Plant Form and Function Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Robyn Overall, Dr Lindsay Campbell **Session:** Semester 2 **Classes:** 24 lectures; 10 tutorials; 8 x 2 hr and 2x3hr labs; 2x6 hr field trips **Prohibitions:** PLNT2903, BIOL2003, BIOL2903, CROP2001 **Assumed knowledge:** 12 credit points of Junior Biology, or equivalent eg BIOL (1001 or 1101 or 1901 or 1911) and BIOL (1002 or 1902 or 1003 or 1903) **Assessment:** One 2hr theory exam (40%), prac exam (20%), anatomy project (10%), quizzes (5%), physiology report (10%), field report (15%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B An Vet Bio Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc Agr, UG.

This unit of study investigates the structure of cells, tissues and organs of flowering plants and relates them to function. Topics include; how photosynthesis, translocation, water transport and nutrition relate to the structures that carry out these processes. Most of the information on plant structure will be provided in self-instructional audio-visual sessions augmented by small group discussions. This is integrated with experiments carried out in the laboratory or on field excursions to investigate the physiological aspects of plant structures. There is a focus on recent advances in plant molecular biology where they have been critical in enhancing our understanding of the form and function of plants. The physiological and anatomical responses of

plants to extreme environments such as drought and salinity will also be addressed. Attention will be paid to the anatomy and physiology of crop, horticultural and Australian native plants. This unit of study complements Plant Biochemistry and Molecular Biology, Australian Flora: ecology and conservation and Cell Biology and leads onto senior units of study in plant sciences, including Plant Growth and Development. It is essential for those seeking a career in plant molecular biology.

#### Textbooks

Taiz L, Zeiger E (2006) Plant Physiology 4th ed. Sunderland, Mass Sinauer  
Recommended reading:  
Atwell B, Kriedemann P, Turnbull C (1999) Plants in Action. Macmillan, South Yarra.  
Buchanan BB, Gruissem W, Jones RL (2000) Biochemistry and Molecular Biology of Plants, ASPP, Rockville, Maryland  
A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of semester.

## PLNT2901

### Plant Biochem & Molecular Biology (Adv) Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Meredith Wilkes, Prof Les Copeland, Dr Rosanne Quinell **Session:** Semester 1 **Classes:** 2-3 lec/week, 32 hrs total; tutorials: 5 hrs total; research project: 36 hrs total **Prerequisites:** A Distinction average in 12 credit points of Junior Chemistry and 12 credit points of Junior Biology (or with the Dean's permission BIOL1201 and BIOL1202) **Prohibitions:** PLNT2001, AGCH2001 **Assessment:** One 2hr exam, practical report, 400 word writing assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc Agr, UG Study Abroad Program.

This unit of study is designed to develop an understanding of the molecular principles that underlie the structure and function of plants and how these principles relate to the use of plants by humans as a source of food and fibre.

This unit is offered at an advanced level and is available to students in BScAgr, BHortSc, BSc and other degree programs. This unit recognizes the specialized nature of plant biochemistry and is of interest to students who wish to gain a more advanced knowledge of plant growth and development.

This unit covers the biochemistry of the main carbohydrate, lipid, protein and nucleic acid constituents of plants, metabolic pathways that regulate plant growth and development, the mobilization and deposition of storage reserves, storage and expression of genetic information and plant responses to environmental influences. The role of molecular biology in the manipulation of plant growth and development will also be explored.

At the completion of this unit students will be able to demonstrate theoretical knowledge of the biochemical structure and function of plants and how molecular biology can enhance our use of plants as food and fibres. Students will also be able to demonstrate abilities in the practice of laboratory methods used to analyse plants and the effective communication of experimental findings by completing a short research project.

Students enrolled in this unit will gain research and enquiry skills through attendance at lectures and tutorials and by completing a small research project and information literacy and communication skills through the synthesis of information used to prepare a report on the findings of the research project.

#### Textbooks

No recommended text. A study guide/laboratory manual will be available for purchase from the Copy Centre during the first week of semester. Lecture notes and readings will be available through WebCT.

## PLNT2902

### Aust Flora: Ecology & Conservation (Adv) Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Glenda Wardle, Dr Murray Henwood **Session:** Semester 1 **Classes:** (2 lec & 3 prac)/wk, audiovisual **Prerequisites:** Distinction average in 6 credit points of Junior units of study **Prohibitions:** PLNT2002 **Assumed knowledge:** The contents of BIOL(1002 or 1902) is assumed knowledge. Students wishing to enroll in Intermediate Biology (BIOL)

and Plant Science (PLNT) units of study using BIOL(1003 or 1903) will need to do some preparatory reading **Assessment:** One 2-hr exam (40%), laboratory reports (20%) research project (20%), one 2-hr practical exam (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc Agr, UG Study Abroad Program.

Qualified students will participate in alternative components of PLNT2002. The content and nature of these components may vary from year to year. See prerequisites for Senior units of study in Biology.

#### Textbooks

A Laboratory Manual for the unit will be available for purchase from the Copy Centre during the first week of Semester.

### PLNT2903

#### Plant Form and Function (Advanced)

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Robyn Overall, Dr Lindsay Campbell **Session:** Semester 2 **Classes:** 24 lectures; 10 tutorials; 8 x 2 hr and 2x3hr labs; 2x6 hr field trips **Prohibitions:** PLNT2003, BIOL2003, BIOL2903, CROP2001 **Assumed knowledge:** 12 credit points of Junior Biology, or equivalent eg BIOL (1001 or 1101 or 1901 or 1911) and BIOL (1002 or 1902 or 1003 or 1903) **Assessment:** One 2hr theory exam (40%), prac exam (20%), research project oral and written presentation (25%), field report (15%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc Agr, UG Study Abroad Program.

The content will be based on PLNT2003 but qualified students will participate in alternative components at a more advanced level. The content and nature of these components may vary from year to year.

#### Textbooks

Taiz L, Zeiger E (2006) Plant Physiology 4th ed. Sunderland, Mass Sinauer  
Recommended reading:  
Atwell B, Kriedemann P, Turnbull C (1999) Plants in Action. Macmillan, South Yarra.  
Buchanan BB, Gruissem W, Jones RL (2000) Biochemistry and Molecular Biology of Plants, ASPP, Rockville, Maryland  
A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of semester.

### PLNT3001

#### Plant, Cell and Environment

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Rosanne Quinell, A/Prof Robyn McConchie, Dr Charles Warren **Session:** Semester 2 **Classes:** Workshops and discussions 2 hr/wk; laboratories: alternate weeks 30 hr total (6 pracs; 5 hr each) **Prerequisites:** 12 credit points of Intermediate Biology, Plant Science, Molecular Biology and Genetics or equivalent **Prohibitions:** PLNT3901 **Assessment:** One 2hr exam, 3 reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biotechnology), B Sc Agr, UG Study Abroad Program.

This unit of study of comprises workshops and practical sessions that will be guided largely by current directions in plant science research in Australia. Three theme areas will be identified and used to direct the workshops and discussions conducted throughout the semester. We expect students to be able to span levels of plant organisation: molecular, cellular, tissues, organs, whole organism physiology and ecology. Theme areas for discussion will consider the Australian flora and the areas currently under investigation at the University of Sydney such as post-harvest physiology. Students will need to draw on knowledge from Intermediate units of study and will be expected to explore in the published literature in order to successfully integrate information from areas unfamiliar to themselves so as to participate in workshops and discussions. This unit of study provides opportunities for students to develop their skills in research and enquiry, information literacy, and communication.

The practical component of this unit of study has sufficient flexibility for students to design their own group experiments to answer questions raised during the workshops. A range of equipment for

student experiments will be available including: pulse amplitude modulated (PAM) fluorometer; oxygen electrodes; Scholander bomb, gel electrophoresis (PAGE).

The purpose of this Unit of Study is to develop an understanding of current directions in Plant Science at an advanced level.

When you have successfully completed this unit of study, you should be able to:

be familiar with modern approaches of physiology, biophysics and molecular biology in the study of plant function;

understand how domains of knowledge interact to describe plant function;

understand how plants function in stressful environments;

carryout a small research project;

draft a manuscript for publication in a peer-reviewed journal.

#### Textbooks

Students will be drawing on the current research literature for content. A Study Guide for the unit will be available for purchase during the first week of semester from the Copy Centre at a cost to be advised.

### PLNT3002

#### Plant Growth and Development

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Jan Marc (Executive Officer), Prof Robyn Overall, Prof David Guest, Dr Lindsay Campbell **Session:** Semester 2 **Classes:** 2-3 lec per wk, one 4 hr practical (6 weeks only), one 3 hr presentation of research project in week 13 **Prerequisites:** 12 credit points of intermediate PLNT, BIOL, AGCH or CROP units of study including at least one of PLNT2001, PLNT2901, PLNT2003, PLNT2903, BIOL2016, BIOL2916, BIOL2003, BIOL2903, BIOL2006, BIOL2906, CROP2001, AGCH2002 or equivalent **Prohibitions:** PLNT3902, BIOL3021, BIOL3931 **Assessment:** One 2 hr exam (60%), project presentation and report (20%), laboratory quizzes, report and book (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc Agr, UG Study Abroad Program.

This unit explores the fundamental mechanisms underlying plant growth and development from seed to maturity. It builds on the knowledge gained in intermediate units in biology and plant sciences. The unit covers the process of building the plant body from embryogenesis, development and operation of meristems, polarity, patterning, control of flowering and fruit development to programmed cell death and senescence. Students will investigate the role of hormonal signals in coordinating plant growth and development, and the cellular and molecular mechanisms underlying plant responses to environmental signals such as gravity, light, and salinity. Students will explore aspects of recent plant molecular biology that have been critical in enhancing our current understanding of plant growth and development, using examples from crop, horticultural and native plants as well as the model plant Arabidopsis. Lectures are augmented by experimental work in which students will identify fundamental mechanisms in plant development using plant tissue culture, protoplast production and modern cell biological techniques. Students will be able to articulate novel findings by conducting an independent research project. An excursion to the ANU and the CSIRO Plant Industry in Canberra will provide an opportunity to explore world-class research facilities for plant molecular biology. The students will gain research and inquiry skills through individual and group-based projects, communication skills through group discussions and laboratory reports, and presentation skills and personal and intellectual autonomy through working in groups. This unit of study complements other senior units of study in the Plant Science Major and is essential for those seeking a career in plant molecular biology.

#### Textbooks

Taiz L, Zeiger E (2006) Plant Physiology 4th ed. Sinauer Associates, Sunderland, Massachusetts  
Recommended reading:  
Atwell B, Kriedemann P, Turnbull C (1999) Plants in Action. Macmillan, South Yarra.  
Buchanan BB, Gruissem W, Jones RL (2000) Biochemistry and Molecular Biology of Plants, ASPP, Rockville, Maryland  
A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of semester.

**PLNT3003****Systematics and Evolution of Plants Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Murray Henwood **Session:** Semester 1 **Classes:** 2 lectures, one 3 hour practical per week, 2-day field-trip. **Prerequisites:** 6 credit points of any Intermediate unit of study from BIOL, PLNT, LWSC, HORT, GEOS, GEOG, ENVI, SOIL. **Prohibitions:** PLNT3903, BIOL3015/3915. **Assessment:** One 2 hr take-home exam (45%), oral presentation (5%), nomenclature exercise (15%), research project (35%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, B Sc (Adv), M B, B S, B Sc Agr, UG Study Abroad Program.

This unit of study introduces students to the practical aspects of Plant Systematics and Evolution. Students will gain a working knowledge of the general techniques and approaches used in Plant Systematics (including an understanding of plant taxonomy, phylogenetics and evolutionary processes). A range of data sources (nucleotide sequences and morphology) will be used to address questions concerning the evolution, classification and historical biogeography of various plant groups. A two-day field trip will provide tuition in plant identification and an opportunity to acquire skills in field-botany. This unit of study is recommended for students with an interest in the areas of: botany, plant science, horticulture, fungal biology (including plant pathology), environmental science, bioinformatics and ecology. It is often combined with units of study offered through the School of Biological Sciences and the Faculty of Agriculture, Food and Natural Resources.

**Textbooks**

Jud, WS, Campbell, CS, Kellog, EA, Stevens, PF and Donohue, MJ. 2002. Plant Systematics: A Phylogenetic Approach.

**PLNT3901****Plant, Cell and Environment (Advanced) Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Dr Rosanne Quinell, A/Prof Robyn McConchie, Dr Charles Warren **Session:** Semester 2 **Classes:** Workshops and discussions 2 hr/wk; laboratories: alternate weeks 30 hr total (6 pracs; 5 hr each) **Prerequisites:** 12 credit points of Intermediate Biology, Plant Science, Molecular Biology and Genetics or equivalent with average grade of distinction **Prohibitions:** PLNT3001 **Assessment:** One 2hr exam, one advance student project report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biotechnology), B Sc Agr, UG Study Abroad Program.

This unit of study of comprises workshops and practical sessions that will be guided largely by current directions in plant science research in Australia. Three theme areas will be identified and used to direct the workshops and discussions conducted throughout the semester. We expect students to be able to span levels of plant organisation: molecular, cellular, tissues, organs, whole organism physiology and ecology. Theme areas for discussion will consider the Australian flora and the areas currently under investigation at the University of Sydney such as post-harvest physiology. Students will need to draw on knowledge from Intermediate units of study and will be expected to explore in the published literature in order to successfully integrate information from areas unfamiliar to themselves so as to participate in workshops and discussions. This unit of study provides opportunities for students to develop their skills in research and enquiry, information literacy, and communication.

The practical component of this unit of study has sufficient flexibility for students to design their own group experiments to answer questions raised during the workshops. A range of equipment for student experiments will be available including: pulse amplitude modulated (PAM) fluorometer; oxygen electrodes; Scholander bomb, gel electrophoresis (PAGE).

The purpose of this unit of study is to develop an understanding of current directions in Plant Science

When you have successfully completed this unit of study, you should be able to:

be familiar with modern approaches of physiology, biophysics and molecular biology in the study of plant function;

understand how domains of knowledge interact to describe plant function;

understand how plants function in stressful environments.

**Textbooks**

Students will be drawing on the current research literature for content.

A Study Guide for the unit will be available for purchase during the first week of semester from the Copy Centre at a cost to be advised.

**PLNT3902****Plant Growth and Development (Advanced) Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Dr Jan Marc (Executive Officer), Prof Robyn Overall, Prof David Guest, Dr Lindsay Campbell **Session:** Semester 2 **Classes:** 2-3 lec per wk, one 4 hr practical (6 weeks only), one 3 hr presentation of research project in week 13 **Prerequisites:** 12 credit points of intermediate PLNT, BIOL, AGCH or CROP units of study including at least one of PLNT2001, PLNT2901, PLNT2003, PLNT2903, BIOL2016, BIOL2916, BIOL2003, BIOL2903, BIOL2006, BIOL2906, CROP2001, AGCH2002 or equivalent. These requirements may be varied and students with lower averages should consult the unit Executive Officer. **Prohibitions:** PLNT3002, BIOL3021, BIOL3931 **Assessment:** One 2 hr exam (60%), project presentation and report (20%), laboratory quizzes and book (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc Agr, UG Study Abroad Program.

Qualified students will participate in alternative components of PLNT3002 Plant Growth and Development, representing 30% of the total assessment, as follows: the students will be exempt from one standard laboratory report and the standard independent group project. Instead, the students will conduct an advanced independent individual practical or theoretical research project under the supervision of a member of the academic staff. The program includes a formal presentation of the results of the project in verbal and written reports.

**Textbooks**

Taiz L, Zeiger E (2006) Plant Physiology 4th ed. Sinauer Associates, Sunderland, Massachusetts

**Recommended reading:**

Atwell B, Kriedemann P, Turnbull C (1999) Plants in Action. Macmillan, South Yarra.

Buchanan BB, Gruissem W, Jones RL (2000) Biochemistry and Molecular Biology of Plants, ASPP, Rockville, Maryland

A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of semester.

**PLNT3903****Systematics and Evolution of Plants Adv Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Murray Henwood **Session:** Semester 1 **Classes:** 2 lectures & 1 practical per week. **Prerequisites:** Distinction average in 6 credit points of any Intermediate unit of study from BIOL, PLNT, LWSC, HORT, GEOS, GEOG, ENVI, SOIL. These requirements may be varied and students with lower averages should consult the Unit Executive Officer. **Prohibitions:** PLNT3003, BIOL3015/3915. **Assessment:** One 2 hr take-home exam (45%), oral presentation (5%), nomenclature exercise (15%), research project (35%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Med Sc, B Sc, B Sc (Adv), M B, B S, UG Study Abroad Program.

Qualified students will participate in alternative components of PLNT3003 Systematics and Evolution of Plants. The content and nature of these components may vary from year to year.

**Textbooks**

Same as PLNT3003.

**PPAT3003****Plant Disease****Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Prof David Guest **Session:** Semester 1 **Classes:** (2 lec, 3 hr prac)/wk **Prerequisites:** MICR2024 **Assessment:** One 2hr end of semester exam (60%), one prac exam (25%), six take-home quizzes (15%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day



**Associated degrees:** B Hort Sc, B L W Sc, B Sc, B Sc Agr, UG Study Abroad Program.

This unit introduces plant disease and the pathogens that limit agricultural and horticultural production. The unit is core to the BScAgr and BHortSc degrees and is available as an elective to BLWS and BSc students. It builds on the material introduced in MICR2024. The lecture component of the unit discusses the aetiology of plant disease and symptom development; diagnosis of plant disease; the biology, epidemiology and management of fungi and other microbes that cause plant disease; breeding for disease resistance; plant-parasite relationships; and disease resistance in plants. The practical component introduces techniques used in handling and identifying fungi and in studying plant disease, and develops skills in experimental design, execution and interpretation of experimental data. At the completion of this unit, students will be able to exercise problem-solving skills (developed through practical experiments and lecture discussions), think critically, and organise knowledge (from consideration of the lecture material and preparation of practical reports), expand from theoretical principles to practical explanations (through observing and reporting on practical work), use certain computer software for analysing data and reporting on laboratory projects. Students learn to work in a research team, plan effective work schedules (to meet deadlines for submission of assessable work), use statistical analysis in research, keep appropriate records of laboratory research, work safely in a research laboratory and operate a range of scientific equipment. Students will gain research and inquiry skills through research based group projects, information literacy and communication skills through assessment tasks and personal and intellectual autonomy through working in groups.

#### Textbooks

Schumann GL & Darcy CJ 2006. Essential Plant Pathology. APS Press, St Paul, Minn., USA.

### PPAT4004

#### Advanced Mycology and Plant Pathology Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Prof David Guest **Session:** Semester 1 **Classes:** (2 tut, 3 hrs prac)/wk **Prerequisites:** PPAT3003 **Assessment:** Two hour end of semester exam (70%), 1500-word review paper (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hort Sc, B L W Sc, B Sc, B Sc Agr, UG Study Abroad Program.

This unit investigates evolution, systematics, taxonomy and biology of fungi and their role as plant pathogens; plant disease epidemiology and understanding fungal populations; infection processes and plant defence. The unit is an elective for BScAgr, BHortSc and BSc students. It builds on the material introduced in PPAT3003 and BIOL3017. Undertaking this unit will develop skills in isolating and identifying plant pathogenic fungi, diagnosing plant diseases, designing, conducting and analysing experiments. At the completion of this unit, students will be able to exercise problem-solving skills (developed through practical experiments, projects and tutorial discussions), think critically, and organise knowledge (from consideration of the lecture material and preparation of project reports), and expand from theoretical principles to practical explanations (through observing and reporting on project work). Students will consolidate their teamworking skills, develop self-directed study skills and plan effective work schedules, use statistical analysis in research, keep appropriate records of laboratory research, work safely in a research laboratory and operate a range of scientific equipment. Students will gain research and inquiry skills through individual and group research projects, information literacy and communication skills through assessment tasks and personal and intellectual autonomy through working in groups.

#### Textbooks

Agrios GN. 2005. Plant Pathology 5th ed. Academic Press  
Plant pathogens and plant diseases / edited by J.F. Brown and H.J. Ogle; endorsed by the Australasian Plant Pathology Society Inc. Armidale, N.S.W.: Rockvale Publications for the Division of Botany, School of Rural Science and Natural Resources, University of New England, 1997.  
Carlike MJ. The Fungi 2nd ed. Academic Press  
Kendrick B. 2001. The Fifth Kingdom 3rd ed. Mycologue Press, Ontario. www.mycology.com

### PPAT4005

#### Soil Biology Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Prof David Guest **Session:** Semester 1 **Classes:** (2 tut, 3 hrs prac)/wk **Prerequisites:** MICR2024 or 6cp intermediate microbiology **Assessment:** Tutorial papers (30%), project proposal (10%), project report (50%), peer review (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hort Sc, B L W Sc, B Sc, B Sc Agr, UG Study Abroad Program.

This unit investigates the diversity of organisms living in the soil, their biology, interactions and ecology, and their roles in maintaining and improving soil function. The unit is an elective for BScAgr, BHortSc and BSc students. It builds on the material introduced in MICR2024, PPAT3003 and BIOL3017. Undertaking this unit will develop skills in monitoring soil microbes, designing, conducting and analysing experiments. At the completion of this unit, students will be able to exercise problem-solving skills (developed through practical experiments, projects and tutorial discussions), think critically, and organise knowledge (from consideration of the lecture material and preparation of project reports), and expand from theoretical principles to practical explanations (through observing and reporting on project work). Students will consolidate their teamworking skills, develop self-directed study skills and plan effective work schedules, use statistical analysis in research, keep appropriate records of laboratory research, work safely in a research laboratory and operate a range of scientific equipment. Students will gain research and inquiry skills through group research projects, information literacy and communication skills through assessment tasks and personal and intellectual autonomy through working in groups.

#### Textbooks

Sylvia et al. 2005. Principles and Applications of Soil Microbiology 2nd ed. Pearson.

Schjonning PJ. 2001. Managing Soil Quality. CAB International.

### PRCN1002

#### Percussion Ensemble 1 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 2hr rehearsal/wk **Corequisites:** Enrolment in one of Percussion 1-8 or Percussion 1 - 8 (Major) **Assessment:** Demonstrated personal commitment to improve skills, weekly preparation and disciplined and cooperative behaviour (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B A, B Mus Studies, B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Percussion Ensemble 1 provides the opportunity for Percussion students to study, workshop, rehearse and perform works ranging from small chamber pieces to large conducted works for percussion. The repertoire, focusing on 20th and 21st century pieces, may also include transcriptions arranged for percussion. Students will be introduced to the essential aspects of ensemble playing including rehearsal techniques, pre-rehearsal preparations, musical issues such as ensemble coordination, balance, rhythm and sound, public performance skills and program development and design. Students may be required to perform with the Sydney Conservatorium of Music Percussion Ensemble in public concerts.

### PRCN1003

#### Percussion Ensemble 2 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 2hr rehearsal/wk **Prerequisites:** PRCN1002 Percussion Ensemble 1 **Corequisites:** Enrolment in one of Percussion 1-8 or Percussion 1 - 8 (Major) **Assessment:** Demonstrated personal commitment to improve skills, weekly preparation and disciplined and cooperative behaviour (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B A, B Mus Studies, B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Percussion Ensemble 2 provides the opportunity for Percussion students to study, workshop, rehearse and perform works ranging from small chamber pieces to large conducted works for percussion. The repertoire, focusing on 20th and 21st century pieces, may also include transcriptions arranged for percussion. Building on foundations established in Percussion Ensemble 1, students will continue the development of essential aspects of ensemble playing including rehearsal techniques, pre-rehearsal preparations, musical issues such as ensemble coordination, balance, rhythm and sound, public performance skills and program development and design. Students may be required to perform with the Sydney Conservatorium of Music Percussion Ensemble in public concerts.

### PRCN1601

#### Percussion 1

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshop/wk **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### PRCN1602

#### Percussion 2

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/wk **Prerequisites:** PRCN1601 Percussion 1 **Assessment:** Jury recital 10-15 mins 50%. Teacher Grade 50%. Students must pass both assessed components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### PRCN2002

#### Percussion Ensemble 3

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 2hr rehearsal/wk **Prerequisites:** PRCN1003 Percussion Ensemble 2 **Corequisites:** Enrolment in one of Percussion 1-8 or Percussion 1 - 8 (Major) **Assessment:** Demonstrated personal commitment to improve skills, weekly preparation and disciplined and cooperative behaviour (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B A, B Mus Studies, B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Percussion Ensemble 3 provides the opportunity for Percussion students to study, workshop, rehearse and perform works ranging from small chamber pieces to large conducted works for percussion. The repertoire, focusing on 20th and 21st century pieces, may also include transcriptions arranged for percussion. In the continuation of skills and techniques established in Percussion Ensemble 2, students will further their development of essential aspects of ensemble playing including rehearsal techniques, pre-rehearsal preparations, musical issues such as ensemble coordination, balance, rhythm and sound, public performance skills and program development and design. Students may be required to perform with the Sydney Conservatorium of Music Percussion Ensemble in public concerts.

### PRCN2003

#### Percussion Ensemble 4

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 2hr rehearsal/wk **Prerequisites:** PRCN2002 Percussion Ensemble 3 **Corequisites:** Enrolment in one of Percussion 1-8 or Percussion 1 - 8 (Major) **Assessment:** Demonstrated personal commitment to improve skills, weekly preparation and disciplined and cooperative behaviour (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B A, B Mus Studies, B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Percussion Ensemble 4 provides the opportunity for Percussion students to study, workshop, rehearse and perform works ranging from small chamber pieces to large conducted works for percussion. The repertoire, focusing on 20th and 21st century pieces, may also include transcriptions arranged for percussion. In the continuation of skills and techniques established in Percussion Ensemble 3, students will further their development of essential aspects of ensemble playing including rehearsal techniques, pre-rehearsal preparations, musical issues such as ensemble coordination, balance, rhythm and sound, public performance skills and program development and design. Students may be required to perform with the Sydney Conservatorium of Music Percussion Ensemble in public concerts.

### PRCN2005

#### Percussion 4 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** PRCN2004 Percussion 3 (Minor) **Assessment:** Jury exam: 15 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### PRCN2006

#### Resource Class - Percussion

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1 **Classes:** 1.5hr lec/wk **Assessment:** Weekly assignments and class participation (50%), viva voce exam (20%), practical assignment (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: this unit is not available for Percussion students enrolled in a BMus degree or as Percussion (Majors).*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit provides students with an introduction to and performance experience on a wide range of percussion instruments. The aim of this unit is to: introduce students to performance techniques on orchestral, latin, ethnic and commercial percussion instruments; provide students with historical information about instruments in the percussion family; and enable students to assemble and perform basic maintenance on school percussion instruments. For further information contact the Chair (Percussion).

### PRCN2603

#### Percussion 3

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshops/wk **Prerequisites:** PRCN1602 Percussion 2 **Corequisites:** PRCN2703 Percussion 3 (Adv) - Dip Mus only **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### PRCN2604

##### Percussion 4

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshops/wk **Prerequisites:** PRCN2603 Percussion 3 **Corequisites:** PRCN2704 Percussion 4 (Adv) - Dip Mus only **Assessment:** Jury exam assessed by Panel 15-25 minutes (BMus 25 mins: BMusStud & BMus MusEd 15 mins) or public recital at junior level assessed by panel 40 minutes (DipMus only). Teacher Grade 20%. Panel Grade 80%. Students must pass both assessed components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice, jury and public performance. For more information contact the Chair of Unit.

#### PRCN2703

##### Percussion 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** Percussion Workshop Class 2 hr/wk plus master classes as required **Prerequisites:** PRCN1602 Percussion 2 **Corequisites:** PRCN2603 Percussion 3 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students.*

**Associated degrees:** Dip Mus.

Percussion Principal Study (Advanced) provides students enrolled in the Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues.

The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centred manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

#### PRCN2704

##### Percussion 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** Percussion Workshop Class 2 hr/wk plus master classes as required **Prerequisites:** PRCN2703 Percussion 3 (Adv) **Corequisites:** PRCN2604 Percussion 4 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students.*

**Associated degrees:** Dip Mus.

Percussion Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues.

The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes

aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

#### PRCN3002

##### Percussion Ensemble 5

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 2hr rehearsal/wk **Prerequisites:** PRCN2003 Percussion Ensemble 4 **Corequisites:** Enrolment in one of Percussion 1-8 or Percussion 1 - 8 (Major) **Assessment:** Demonstrated personal commitment to improve skills, weekly preparation and disciplined and cooperative behaviour (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B A, B Mus Studies, B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Percussion Ensemble 5 provides the opportunity for Percussion students to study, workshop, rehearse and perform works ranging from small chamber pieces to large conducted works for percussion. The repertoire, focusing on 20th and 21st century pieces, may also include transcriptions arranged for percussion. In the continuation of skills and techniques established in Percussion Ensemble 4, students will further their development of essential aspects of ensemble playing including rehearsal techniques, pre-rehearsal preparations, musical issues such as ensemble coordination, balance, rhythm and sound, public performance skills and program development and design. Students may be required to perform with the Sydney Conservatorium of Music Percussion Ensemble in public concerts.

#### PRCN3003

##### Percussion Ensemble 6

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 2hr rehearsal/wk **Prerequisites:** PRCN3002 Percussion Ensemble 5 **Corequisites:** Enrolment in one of Percussion 1-8 or Percussion 1 - 8 (Major) **Assessment:** Demonstrated personal commitment to improve skills, weekly preparation and disciplined and cooperative behaviour (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B A, B Mus Studies, B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Percussion Ensemble 6 provides the opportunity for Percussion students to study, workshop, rehearse and perform works ranging from small chamber pieces to large conducted works for percussion. The repertoire, focusing on 20th and 21st century pieces, may also include transcriptions arranged for percussion. In the continuation of skills and techniques established in Percussion Ensemble 5, students will further their development of essential aspects of ensemble playing including rehearsal techniques, pre-rehearsal preparations, musical issues such as ensemble coordination, balance, rhythm and sound, public performance skills and program development and design. Students may be required to perform with the Sydney Conservatorium of Music Percussion Ensemble in public concerts.

#### PRCN3005

##### Percussion 5 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** PRCN2005 Percussion 4 (Minor) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## PRCN3006

### Percussion 6 (Minor)

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** PRCN3005 Percussion 5 (Minor) **Assessment:** Jury exam: 20 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## PRCN3605

### Percussion 5

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshops/wk **Prerequisites:** PRCN2604 Percussion 4 **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice, jury and public performance. For more information contact the Chair of Unit.

## PRCN3606

### Percussion 6

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshops/wk **Prerequisites:** PRCN3605 Percussion 5 **Assessment:** Jury exam 20 mins (BMus Studies and BMus Mus Ed only) or public recital 40 mins (BMus only) assessed by panel. Teacher grade 20%. Panel grade 80%. Students must pass both assessed components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice, jury and public performance. For more information contact the Chair of Unit.

## PRCN4005

### Percussion Ensemble 7

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 2hr rehearsal/wk **Prerequisites:** PRCN3003 Percussion Ensemble 6 **Corequisites:** Enrolment in one of Percussion 1-8 or Percussion 1 - 8 (Major) **Assessment:** Demonstrated personal commitment to improve skills, weekly preparation and disciplined and cooperative behaviour (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B Mus (Perf).

Percussion Ensemble 7 provides the opportunity for Percussion students to study, workshop, rehearse and perform works ranging from small chamber pieces to large conducted works for percussion. The repertoire, focusing on 20th and 21st century pieces, may also include transcriptions arranged for percussion. In the continuation of skills and techniques established in Percussion Ensemble 6, students will further their development of essential aspects of ensemble playing including rehearsal techniques, pre-rehearsal preparations, musical issues such as ensemble coordination, balance, rhythm and sound, public performance skills and program development and design. Students may be required to perform with the Sydney Conservatorium of Music Percussion Ensemble in public concerts.

## PRCN4007

### Percussion 7 (Minor)

## Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** PRCN3006 Percussion 6 (Minor) at Distinction level **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## PRCN4008

### Percussion 8 (Minor)

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** PRCN4007 Percussion 7 (Minor) at Credit level **Assessment:** Jury exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## PRCN4009

### Percussion Ensemble 8

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 2hr rehearsal/wk **Prerequisites:** PRCN4005 Percussion Ensemble 7 **Corequisites:** Enrolment in one of Percussion 1-8 or Percussion 1 - 8 (Major) **Assessment:** Demonstrated personal commitment to improve skills, weekly preparation and disciplined and cooperative behaviour (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Mus (Perf).

Percussion Ensemble 8 provides the opportunity for Percussion students to study, workshop, rehearse and perform works ranging from small chamber pieces to large conducted works for percussion. The repertoire, focusing on 20th and 21st century pieces, may also include transcriptions arranged for percussion. In the continuation of skills and techniques established in Percussion Ensemble 7, students will further their development of essential aspects of ensemble playing including rehearsal techniques, pre-rehearsal preparations, musical issues such as ensemble coordination, balance, rhythm and sound, public performance skills and program development and design. Students may be required to perform with the Sydney Conservatorium of Music Percussion Ensemble in public concerts.

## PRCN4607

### Percussion 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/wk **Prerequisites:** PRCN3606 Percussion 6 **Corequisites:** PRCN4707 Percussion 7 (Adv) **Assessment:** Teacher 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice, jury and public performance. For more information contact the Chair of Unit.

## PRCN4608

### Percussion 8

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/wk **Prerequisites:** PRCN4607 Percussion 7 **Corequisites:** PRCN4708 Percussion 8 (Adv) **Assessment:** Recital exam 50 mins assessed by Panel. Teacher Grade 20%. Panel Grade 80%. Students must pass both

assessed components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf), UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice, jury and public performance. For more information contact the Chair of Unit.

### PRCN4707

#### Percussion 7 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** Percussion Workshop Class 2 hr/wk plus master classes as required **Prerequisites:** PRCN3606 Percussion 6 **Corequisites:** PRCN4607 Percussion 7 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMUS Performance students.*

**Associated degrees:** B Mus (Perf).

Percussion Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues.

The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### PRCN4708

#### Percussion 8 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Daryl Pratt **Session:** Semester 1, Semester 2 **Classes:** Percussion Workshop Class 2 hr/wk plus master classes as required **Prerequisites:** PRCN4707 Percussion 7 (Adv) **Corequisites:** PRCN4608 Percussion 8 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMUS Performance students.*

**Associated degrees:** B Mus (Perf).

Percussion Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues.

The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### PRDU1001

#### Nursing Fieldwork in Australia

##### Nursing and Midwifery

**Credit points:** 6 **Session:** S1 Late Int, S2 Late Int, Semester 2b **Classes:** clinical practice **Assessment:** clinical performance reports **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

**Associated degrees:** Nursing UG Non Degree, UG Study Abroad Program.

This unit will provide students with clinical learning opportunities supported by the development of a negotiated project. Students will attend on campus seminars and workshops followed by a supernumerary placement in a chosen clinical environment. The unit is designed to provide opportunities for students to integrate theoretical studies with practice experience and to create a depth of understanding in their chosen practice area. Opportunities will be

provided for students to experience nursing in a different professional environment and culture utilising the English language.

### PRFM1801

#### Performance Studies Exchange

##### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit point junior unit of study in Performance Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Chair of Department.

### PRFM2601

#### Being There: Theories of Performance

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr I Maxwell **Session:** Semester 2 **Classes:** Two 1hour lectures and one 1hour tutorial per week **Prerequisites:** 18 junior credit points in no more than two subject areas including at least 12 from Part A of the Table of Units of Study. **Prohibitions:** PRFM2001 **Assessment:** One 1500 word take-home exam, one 1000 word mid-semester essay, tutorial assignment and continuous assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

What is performance, and how can we understand what it is that performance does? This unit of study will introduce students to the study of performance, and the particular problems associated with approaching a phenomenon that is often ephemeral, experiential in nature, and frequently shrouded in mystery. Students will learn key theoretical and methodological approaches to the study and practice of a range of performance genres, including, but not limited to theatre and other artistic practices.

*Textbooks*

Selected readings available through Copy Centre.

### PRFM2602

#### An Audience Prepares

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr P Dwyer **Session:** Semester 1, Summer Main **Classes:** One 1 hour lecture and one 2 hour workshop/tutorial per week **Prerequisites:** 18 junior credit points in no more than two subject areas including at least 12 from Part A of the Table of Units of Study. **Prohibitions:** PRFM2002 **Assessment:** One 500 word performance questionnaire; one 1000 word extended essay plan; 3000 word performance analysis essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

How do the members of an audience make meaning from the complex weave of words, movements, costumes, lighting, sound and other effects that fill the stage? To what extent are these meanings shaped by the context in which the performance event takes place? In this unit, students will develop a technical/critical language and a 'feel' for analysing live performance through lectures, practical workshops and by attending events at a number of Sydney theatres.

*Textbooks*

Selected readings available through Copy Centre.

Recommended Readings:

Colin Counsell, Signs of Performance

Gay Mc Auley, Space in Performance

### PRFM2603

#### Between Impro & Text: Making Performance

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr P Dwyer **Session:** Semester 2 **Classes:** One 1 hour lecture and one 2 hour workshop per week **Prerequisites:** 18 junior credit points in no more than two subject areas including at least 12 from Part A of the Table of Units of Study in the Faculty Handbook. **Prohibitions:** PRFM3005 **Assessment:** 1200-1500 word tutorial paper (related to group

performance work); 2500 word essay on rehearsal practices; some continuous, formative tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Arts, UG Study Abroad Program.

Some performances seem firmly text-based (a David Williamson play; the libretto/score of a Wagnerian opera). Others involve more or less spontaneous "composition-in-performance" (Commedia dell' Arte, Theatresports, "free jazz"). Yet, whatever the form, performance is always the thing you get when skilled artisans "assume a responsibility to an audience and to tradition as they understand it" (Dell Hymes). In this unit, we analyse the interactions between literary and primarily oral traditions of performance, questioning assumptions about the historical primacy of texts.

*Textbooks*

Selected readings available through Copy Centre.

## PRFM2604

### Sociology of Theatre

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr I Maxwell **Session:** Semester 1 **Classes:** 3 hours per week in seminar mode **Prerequisites:** 18 junior credit points in no more than two subject areas including at least 12 from Part A of the Table of Units of Study. **Prohibitions:** PRFM3012 **Assessment:** One 1500 word take-home exam, one group presentation and 1500 word portfolio and 1000 word formative literature summary. **Practical field work:** Fieldwork **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Theatre and performance as artistic practices are not autonomous: they take place in a complex cultural field, the effects of which necessarily influence and shape the practice itself. In this unit of study, we will develop an understanding of the field of theatrical production in contemporary Australia, both theoretically, using the sociological theory of Pierre Bourdieu, and practically, as we create our own, viable, performing arts company.

*Textbooks*

Selected readings available through Copy Centre.

## PRFM2805

### Performance Studies Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit point senior unit of study in Performance Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Chair of Department.

## PRFM2806

### Performance Studies Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit point senior unit of study in Performance Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Chair of Department.

## PRFM2810

### Performance Studies Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit point senior unit of study in Performance Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Chair of Department.

## PRFM2811

### Performance Studies Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit point senior unit of study in Performance Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Chair of Department.

## PRFM2812

### Performance Studies Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit point senior unit of study in Performance Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Chair of Department.

## PRFM3603

### Playing Politics

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr P Dwyer **Session:** Semester 2 **Classes:** 3 hours per week in seminar mode **Prerequisites:** (PRFM2601 and PRFM2602) or (PRFM2001 and PRFM2002) **Prohibitions:** PRFM3015, PRFM3026 **Assessment:** Tutorial/reading tasks equivalent to 500 words in total; one 2000 word essay; contribution of approximately 2000 words to a group research dossier. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Arts, UG Study Abroad Program.

Many theatre practitioners and performance artists have sought to make their work an explicit cultural intervention into movements of social and political change. Here we will critique in detail, and to some extent explore practically, the strategies adopted by a number of key artists and companies, both past and present: from Brecht to Boal, from 'community theatre' to 'contemporary performance'. We will also consider the way protest actions and, indeed, mainstream processes of parliamentary democracy appear to have become increasingly theatricalised.

*Textbooks*

Selected readings available through Copy Centre.

## PRFM3604

### Embodied Histories

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr A Card **Session:** Semester 1 **Classes:** 3 hours per week in seminar mode **Prerequisites:** (PRFM2601 and PRFM2602) or (PRFM2001 and PRFM2002) **Prohibitions:** PRFM3021 **Assessment:** One 3000 word essay and one 1500 word literature summary

**Campus:** Camperdown/Darlington (lecture/lab/tutorial) Day **Mode of delivery:** Normal

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

Can we investigate and understand historical moments and social movements through a study of dancing bodies? In this unit we will be looking at popular dance practices in western cultures over time. From the Charleston, the Lindy & Jive, through musical comedy & jazz, to gogo, disco and hip hop we will develop an understanding of the relationship between movement, music, time and place. This will be done through a combination of observation and practical participation. No previous dance training is required.

*Textbooks*

Selected readings available through Copy Centre

### PRFM3605

#### Cross-Cultural and Hybrid Performance Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr A Card **Session:** Semester 1 **Classes:** 3 hours per week in seminar mode **Prerequisites:** (PRFM2601 and PRFM2602) or (PRFM2001 and PRFM2002) **Prohibitions:** PRFM3023, PRFM3028 **Assessment:** One 3000 word essay, one critical literature summary (1500 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Arts, UG Study Abroad Program.

This unit will analyse the development of cross-cultural and hybrid performance in Australia, Britain and the United States. Concentrating on a range of Indigenous and non-indigenous performance practices - football mascots, contemporary dance, pop music and text based theatre - we will utilise postcolonial theories, as applied to performance, to explore diverse understandings of innovation and appropriation, ownership and copyright in colonial and post-colonial societies since the 1950s.

*Textbooks*

Selected readings available through Copy Centre

### PRFM3606

#### Theories of Acting Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr G McGillivray **Session:** Semester 2 **Classes:** 3 hours per week in seminar mode **Prerequisites:** (PRFM2601 and PRFM2602) or (PRFM2001 and PRFM2002) **Prohibitions:** PRFM3022 **Assessment:** One 3000 word essay; one group presentation plus write up (1000 words) and one 500 word formative literature summary **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

All theories of acting are grounded in implicit theories about the human self: to Stanislavsky, for example, the self is a repository of memories; while for Meyerhold, the self is a biomechanical resource. We will survey - and experiment with - a range of theories of acting, from Quintilian to Mamet, Zeami to Suzuki, uncovering the assumptions about human being underlying each. The unit involves a workshop component, although no experience is necessary: you will not be assessed on your acting ability.

*Textbooks*

Zarrilli, Phillip B Acting (Re)Considered: Theories and practices

### PRFM3611

#### The Secret Art of the Dramaturg Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr L Ginters **Session:** Semester 1 **Classes:** 3hrs per week lecture/seminar/workshop. **Prerequisites:** (PRFM2601 and PRFM2602) or (PRFM2001 and PRFM2002) **Prohibitions:** PRFM3010 **Assessment:** One 500 word performance analysis. One 1500 word group project. One 2500 word script assessment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Arts, UG Study Abroad Program.

What is a dramaturg? How do you read a play? Write a non-text based performance? Prepare a production of a classic play? This course will investigate the various roles of the dramaturg, focusing on new play dramaturgy, background research for historical texts, translation and

the role of the dramaturg as co-creator in non-text-based work. This course will include practical exercises in analysing and workshopping a new Australian play or text for performance.

### PRFM3619

#### Performance Analysis and Documentation Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr L Ginters **Session:** Semester 2 **Classes:** 3 hours per week. **Prerequisites:** (PRFM2001 and PRFM2002) or (PRFM2601 and PRFM2602) **Prohibitions:** PRFM3002, PRFM3019 **Assessment:** Group performance analysis project (500 words equivalent); documentation project (1500 word equivalent); 2500 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, Dip Arts, UG Study Abroad Program.

This unit of study deals with two of the tasks which are fundamental to the developing discipline of Performance Studies: performance analysis and the documentation of performance. Students attend theatrical performances, develop and refine their analytical skills and explore the semiotic theories which underpin the analytical practice. Video recordings and photographs of live performance are also analysed, and the opportunities and new problems that video poses for performance practitioners and scholars are discussed: aesthetic, political and ethical questions in relation to the recording of live performance are explored, students gain 'hands-on' experience in using both video and still photography to document performance, and assess the value of different modes of documentation for archival and analytical purposes.

*Textbooks*

Selected readings available through Copy Centre

### PRFM3961

#### Rehearsal Studies Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr L Ginters **Session:** Semester 1 **Classes:** One 3 hour seminar per week **Prerequisites:** (Credit results in PRFM2601 and PRFM2602) or (credit results in PRFM2001 and PRFM2002) **Corequisites:** PRFM3962 and sufficient units for a major in Performance Studies. **Assessment:** One 3000 word essay; homework tasks equivalent to 1500 words in total as preparation for weekly seminar discussions **Practical field work:** Full time attendance for 2 weeks in the mid-year break **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit of study is structured around a performance project involving professional actors and a director. Students observe and analyse a rehearsal process, which will take place during the mid year break. In this unit, the theoretical and methodological groundwork is laid: accounts of rehearsal by participants and observers, ethnographic theory, video recordings of rehearsal, prompt books and other materials are examined with a view to establishing an appropriate level of awareness of the task and a methodological approach.

*Textbooks*

Reader will be available from Week 1.

### PRFM3962

#### Rehearsal to Performance Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr L Ginters **Session:** Semester 2 **Classes:** One 3 hour class a week for six weeks **Prerequisites:** (Credit results in PRFM2601 and PRFM2602) or (credit results in PRFM2001 and PRFM2002) **Corequisites:** PRFM3961 and sufficient units for a major in Performance Studies. **Assessment:** One 4500 word casebook of rehearsal process **Practical field work:** Full-time attendance at rehearsals of a performance project during 2 weeks of July mid-year break **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

In the July break students observe professional actors and director in rehearsal, they document and record the process with a view to

writing a casebook about it. The classes in the first part of the session provide an opportunity to unpack the experience, to undertake some analysis of the resulting performance, and to rethink the theoretical and methodological issues in light of the practical experience.

#### Textbooks

Selected readings from Copy Centre

### PRFM4011

#### Performance Studies Honours A Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr L Ginters **Session:** Semester 1, Semester 2 **Prerequisites:** Credit results in PRFM3961 and PRFM3962 (or PRFM3901 and PRFM3902) and credit average in a further 36 credit points of PRFM units. **Assessment:** 4500 words (in essays and papers) for each of the two coursework seminars listed below; 12000 -15000 word casebook reflecting on fieldwork experience; 12000-15000 word thesis. Before enrolling, intending Honours students should speak to the Honours co-ordinator as early as possible about thesis topics and fieldwork possibilities. **Practical field work:** Workshops and placement in a theatre company to observe a creative process in progress; group supervision meeting. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons).

The Fourth Year course in Performance Studies involves the completion of two coursework seminars (in Semester 1) plus two major research tasks: a thesis and a 'casebook' based on participant-observation fieldwork. Fourth year students also attend the departmental postgraduate research seminar in Semester 1 and have group supervision meetings throughout the year which focus on research methods. Students who are interested in doing Honours are advised to make contact with the Coordinator, Dr Ginters, or the Chair of Department, Dr Paul Dwyer, at the earliest possible opportunity to discuss thesis topics, fieldwork opportunities and supervision.

The structure of the Fourth Year program involves a complex braid of theoretical and practical assignments and is outlined below (please note, this structure assumes a full-time enrolment; where there are compelling reasons, part-time enrolment may be possible, in which case the sequence and pacing of the course would be negotiated with the Honours Coordinator.

Coursework Seminars (Semester 1)

oCritical Theory and Performance (Dr Ian Maxwell)

oContemporary Performance (Dr Paul Dwyer)

Each of these seminars entails the equivalent of 4,500 words of written assessment

Postgraduate Research Seminar (Semester 1)

Fourth Year students audit the research presentations of postgraduates and academic staff before presenting a brief overview of their own thesis project towards the end of semester. This oral presentation is for formative assessment purposes only.

Supervision and Research Methods (Semesters 1 and 2)

In consultation with the 4th Year Honours Coordinator, Dr Ginters, students will be matched as early as possible with an individual academic supervisor who will support the thesis research. In addition, the Honours Coordinator convenes a regular group supervision meeting to look at general aspects of thesis writing and to review the ethnographic research methods applicable to the 'casebook' assignment

Thesis (Semesters 1 and 2)

By the end of Semester 1, each student will have worked with the Honours Coordinator and their individual supervisor to prepare a thesis research proposal, a preliminary review of relevant scholarly literature and, where relevant, some primary documentation (eg. interviews, photographs). During Semester 2, a major focus of the course is the drafting and re-drafting of a 12,000 to 15,000 word thesis demonstrating the student's aptitude for independent research and their ability to structure a coherent theoretical argument.

Fieldwork Placement and Casebook (Semesters 1 and 2)

A key part of the Honours course is for students to undertake some participant-observation fieldwork with a professional performance

group or an equivalent organisation or project. These fieldwork placements will be negotiated with the Honours Coordinator and locked in as early as possible in Semester 1 (though the participant-observation does not normally begin till mid-year or later). The placements will involve sustained engagement with the some of the preparation phases for a performance, on the basis of which the student will produce a 12,000 to 15,000 word casebook (essentially a small-scale ethnography), describing and analysing salient features of the training, rehearsal, development or

### PRFM4012

#### Performance Studies Honours B Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** PRFM4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons).

Refer to PRFM4011

### PRFM4013

#### Performance Studies Honours C Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** PRFM4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons).

Refer to PRFM4011

### PRFM4014

#### Performance Studies Honours D Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** PRFM4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons).

Refer to PRFM4011

### PSYC1001

#### Psychology 1001 Science

**Credit points:** 6 **Session:** Semester 1, Summer Main **Classes:** Three 1 hour lectures and one 1 hour tutorial per week, plus 1 hour per week of additional web-based (self-paced) material related to the tutorial. **Assessment:** One 2.5hr exam, one 1000w essay, multiple tutorial tests, experimental participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B E, B Ec (Soc Sc), B Ed, B A (Psych), B Ed, B Sc (Psych), B Hlth Sci, B Hlth Sci, M C V S, B Hlth Sci, M H I, B Hlth Sci, M N, B Hlth Sci, M Rehab Clng, B Psych, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Pro.

Psychology 1001 is a general introduction to the main topics and methods of psychology, and is the basis for advanced work as well as being of use to those not proceeding with the subject. Psychology 1001 covers the following areas: language; science and statistics in psychology; behavioural neuroscience; applied psychology; social psychology; personality theory.

This unit is also offered in the Sydney Summer School. Consult the web site:

<http://www.usyd.edu.au/summerschool/>

for more information.

#### Textbooks

Psychology 1001 manual,  
Weiten, W. Psychology. Themes and variations. 7th Ed. Belmont, CA: Thomson Wadsworth. 2007

### PSYC1002

#### Psychology 1002 Science

**Credit points:** 6 **Session:** Semester 2, Summer Main **Classes:** Three 1 hour lectures and one 1 hour tutorial per week, plus 1 hour per week of additional web-based (self-paced) material related to the tutorial. **Assessment:** One 2.5



hour exam, one 1250 word research report, multiple tutorial tests, experimental participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B E, B Ec (Soc Sc), B Ed, B A (Psych), B Ed, B Sc (Psych), B Psych, B Sc, B Sc (Molecular Biology & Genetics), B Sc (Nutrition), UG Study Abroad Program, UG Summer/Winter School.

Psychology 1002 is a further general introduction to the main topics and methods of psychology, and it is the basis for advanced work as well as being of use to those not proceeding with the subject. Psychology 1002 covers the following areas: human development; human mental abilities; learning, motivation and emotion; visual perception; cognitive processes.

This unit is also offered in the Sydney Summer School. Consult the web site:

<http://www.usyd.edu.au/summerschool/>

for more information.

#### Textbooks

Psychology 1002 manual

Weiten, W. Psychology. Themes and variations. 7th Ed. Belmont, CA: Thomson Wadsworth. 2007

### PSYC1551

#### Psychology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B Ec (Soc Sc), B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PSYC1552

#### Psychology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition), Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PSYC2011

#### Brain and Behaviour Science

**Credit points:** 6 **Teacher/Coordinator:** Prof Iain McGregor **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** PSYC (1001 and 1002). **Prohibitions:** PSYC2111 **Assessment:** One 2 hour exam, major assignment (1500-2000 word essay/report), minor assignment (short written practical exercise and/or tutorial quizzes) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Ec (Soc Sc), B Ed, B Sc (Psych), B Psych, B Sc, B Sc (Molecular Biology & Genetics), Grad Dip Psych, UG Study Abroad Program.

This unit of study examines a range of phenomena and principles in learning and perception and their relations to underlying neural substrates. The emphasis in learning is on instrumental conditioning and the principle of reinforcement, ranging from applications of this principle to its neural substrates. Also covered are analyses of aversive-based learning, such as punishment and avoidance, and anxiety, together with related neurochemical mechanisms and the effects of various psychopharmacological agents on these processes. A number of perceptual phenomena will be studied (e.g., motion detection, recognition of faces, identification of emotion). A series of practical classes and demonstrations allow students to gain hands-on

experience of how some of these principles and phenomena may be studied experimentally.

#### Textbooks

See school website

### PSYC2012

#### Statistics & Research Methods for Psych Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Margaret Charles **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week, plus one 1 hour lecture and one 1 hour tutorial per fortnight. **Prerequisites:** PSYC (1001 and 1002). **Prohibitions:** PSYC2112 **Assumed knowledge:** Recommended: HSC Mathematics, any level **Assessment:** One 2 hour exam, class tests, online quizzes, one 1500 word group project, one 45 minute mid-semester exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Ec (Soc Sc), B Ed, B A (Psych), B Ed, B Sc (Psych), B Psych, B Sc, B Sc (Molecular Biology & Genetics), Grad Dip Psych, UG Study Abroad Program.

The aim is to introduce students to fundamental concepts in statistics as applied to psychological research. These include summary descriptive statistics, an introduction to the principles and practice of research design, and the use of inferential statistics. Building upon this framework, the unit of study aims to develop each student's expertise in understanding the rationale for, and application of, a variety of statistical tests to the sorts of data typically obtained in psychological research.

#### Textbooks

See school website

### PSYC2013

#### Cognitive and Social Psychology Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Bruce Burns **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** PSYC (1001 and 1002). **Prohibitions:** PSYC2113 **Assessment:** One 2 hour exam, major assignment (1500-2000 word essay/report), minor assignment (short written practical exercise and/or tutorial quizzes). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Ec (Soc Sc), B Ed, B A (Psych), B Ed, B Sc (Psych), B Psych, B Sc, B Sc (Molecular Biology & Genetics), Grad Dip Psych, UG Study Abroad Program.

This unit expands the depth and range of topics introduced in the first year lectures on Cognitive Processes, Developmental Psychology and Social Psychology. The first section (16 lectures) on Cognitive Processes focuses on current theories of memory, attention, problem solving and decision making and discusses the methods and issues involved in investigating these processes in both healthy individuals and people with cognitive dysfunctions. The second section (6 lectures) on Developmental Psychology presents and evaluates evidence about the early influences on children's social and cognitive development. The final section (16 lectures) on Social Psychology continues an examination of social development across the lifespan from adolescence to late adulthood, followed by an examination of salient social constructs such as prejudice, group processes, altruism, affiliation and attraction.

#### Textbooks

Cognitive: See School website

Social: White, Hayes & Livesey (2005). Developmental Psychology from Infancy to Adulthood.

### PSYC2014

#### Personality and Differential Psychology Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Niko Tiliopoulos **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** PSYC (1001 and 1002) **Prohibitions:** PSYC2114 **Assessment:** One 2 hour exam, major assignment (1500-2000 word essay/report), minor assignment (short written practical exercise and/or tutorial quizzes) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Ec (Soc Sc), B Ed, B Sc (Psych), B Psych, B Sc, B Sc (Molecular Biology & Genetics), Grad Dip Psych, UG Study Abroad Program.

PSYC2014 is made up of two conceptual components: Theories of Personality and Differential Psychology (Individual Differences). The aim of the Personality component is to introduce students to a number of influential theories of personality. Students will be exposed to some conceptual analysis and expected to examine critically the various theories covered. The aim of the Differential Psychology component is to introduce key topics in the study and assessment of individual differences in personality and intelligence. Students are expected to gain an understanding about the major theories of intelligence, associated research methods, and the traditional areas of group differences.

#### Textbooks

Theories of personality component:

Sollard CF, & Monte, RN (2006). *Beneath the mask* (8th Ed). NJ: John Wiley & Sons.

Differential Psychology component:

See School website

### PSYC2551

#### Psychology Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PSYC2552

#### Psychology Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PSYC2553

#### Psychology Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PSYC2554

#### Psychology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PSYC2555

#### Psychology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PSYC2556

#### Psychology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PSYC2557

#### Psychology Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PSYC3010

#### Advanced Statistics for Psychology Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Sabina Kleitman **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour tutorial per week. **Prerequisites:** PSYC (2012 or 2112) plus at least one other Intermediate Psychology Unit of Study from PSYC (2011 or 2111), PSYC (2013 or 2113), PSYC (2014 or 2114). **Prohibitions:** PSYC3201 **Assessment:** One 2 hour exam, class test, 1500 word assignment, practical exercises. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Ec (Soc Sc), B Ed, B A (Psych), B Ed, B Sc (Psych), B Psych, B Sc, Grad Dip Psych, UG Study Abroad Program.

This unit of study expands upon students' knowledge of the general linear model and its applications in the analysis of data from psychological research. The first half of the course is focused on research for which analysis of variance would be appropriate, and develops students' ability to test more focused questions than can be answered by omnibus F tests. Issues that arise in testing contrasts, such as inflation of Type I error, will also be considered. In the second half of the course, students will further their understanding of multivariate techniques, such as multiple regression analysis.

#### Textbooks

See School website

### PSYC3011

#### Learning and Behaviour Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Justin Harris **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour tutorial per week. **Prerequisites:** PSYC (2011 or 2111) and at least one other Intermediate Psychology Unit from

PSYC (2012 or 2112), PSYC (2013 or 2113), PSYC (2014 or 2114).  
**Prohibitions:** PSYC3209 **Assumed knowledge:** PSYC (2012 or 2112)  
**Assessment:** One 2 hour exam, one 2000 word prac report, tutorial assessment.  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Ec (Soc Sc), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program.

This unit addresses the fundamental concepts and more important research findings related to contemporary theories of associative learning in animals and humans. It examines the application of such fundamental research to issues such as drug use, food choice, and learned helplessness. It is designed to foster skills in reading primary sources in this area, and provide the opportunity for hands-on experience in carrying out a research project.

*Textbooks*  
 See School webpage

### PSYC3012 Cognition, Language and Thought Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Karen Croot **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** PSYC (2013 or 2113) and at least one other Intermediate Psychology unit from PSYC (2011 or 2111), PSYC (2012 or 2112), PSYC (2014 or 2114). **Prohibitions:** PSYC3205 **Assumed knowledge:** PSYC (2012 or 2112) **Assessment:** One 2 hour exam, 2000 word prac report, practical exercise(s). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Ec (Soc Sc), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program.

This unit extends the theories and methods of investigating memory and attentional processes discussed in PSYC2013 to consider a number of domains of higher cognitive processing. One strand of the course will focus on language processing and consider how children learn language, the processes involved in speech perception and production, language comprehension and reading. The remainder of the course will deal with the cognitive processes involved in reasoning and decision-making. The practical program will expose students to a variety of the research methods used to investigate higher cognitive processes, develop their understanding of how these methods can be used to investigate hypotheses about mental processes and consider applications of cognitive research to real-world problems and issues.

*Textbooks*  
 See School website

### PSYC3013 Perceptual Systems Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Alex Holcombe **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour tutorial per week. **Prerequisites:** PSYC (2011 or 2111) and at least one other Intermediate Psychology Unit from PSYC (2012 or 2112), PSYC (2013 or 2113), PSYC (2014 or 2114) or ANAT2010 **Prohibitions:** PSYC3210 **Assumed knowledge:** PSYC2012 **Assessment:** One 2 hour exam, one 2500 word report, tutorial quiz, group presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Ec (Soc Sc), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program.

The unit covers at an advanced level selected topics in perception from the psychophysical, physiological and neuropsychological perspectives. Students are expected to gain an understanding of developing knowledge at current frontiers of research, appreciate the significance of basic perceptual research for perception in the office and on the pitch, and be able to evaluate the empirical and conceptual worth of research contributions. Topics covered include spatial and temporal limits of vision, form completion and the resolution of ambiguity, multisensory integration and neural mechanisms.

*Textbooks*  
 See School website

### PSYC3014 Behavioural and Cognitive Neuroscience Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Ian Johnston **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practical per week. **Prerequisites:** (PSYC (2011 or 2111) and at least one other Intermediate Psychology Unit from PSYC (2012 or 2112), PSYC (2013 or 2113), PSYC (2014 or 2114)) OR (ANAT2010 plus PCOL2011) **Prohibitions:** PSYC3204, PSYC3215 **Assumed knowledge:** PSYC (2113 or 213) **Assessment:** One 2 hour exam, one major essay/report 2000-2500 words, tutorial quiz and participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Ec (Soc Sc), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program.

This unit of study will focus on approaches to studying neurosciences incorporating molecular, pre-clinical and clinical models of brain function. These biological models of brain function will be linked with behavioural, affective and cognitive function and dysfunction. The implications of focal cognitive deficits in neurological patients for models of normal cognitive function will also be explored. Specific topics to be covered will be selected from the following areas: appetite psychoneuroimmunology, sensorimotor integration, and the neural and molecular basis of learning and memory, attention, language, visual cognition and praxis. In addition to lectures, a practical component will cover basic neuroanatomy, histology and neuropharmacology, and will introduce students to experimental and case-study approaches to studying neurosciences.

*Textbooks*  
 See School website

### PSYC3015 Intelligence and Differential Psychology Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Damian Birney **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour tutorial per week. **Prerequisites:** PSYC(2014 or 2114) and PSYC(2011 or 2111 or 2012 or 2112 or 2013 or 2113) **Assumed knowledge:** PSYC(2012 or 2112); PSYC(2013 or 2113) **Assessment:** One 2 hour exam; one 2000 word essay; tutorial quizzes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Ec (Soc Sc), B Ed, B A (Psych), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program.

The aim of this unit of study is to provide an overview of different perspectives on the construct of personality, intelligence, and metacognitive abilities to build a critical platform from which both empirical evidence and theoretical propositions can be evaluated. Two broad methodological approaches will be considered, compared, and contrasted in relation to cognitive and non-cognitive attributes and their potential overlap. (a) The individual differences approach to the study of personality and intelligence broadly defined which serves as the basis of much of contemporary psychological assessment in clinical, educational, and organizational settings and (b) the experimental approach to cognitive abilities which use experimental methods to study the information-processing components that underlie intellectual performance. Metacognitive abilities will be studied through differential psychology and decision-making paradigms.

*Textbooks*  
 See school website.

### PSYC3016 Developmental Psychology Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Pauline Howie **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 2 hour tutorial per week. **Prerequisites:** PSYC (2013 or 2113) and at least one other Intermediate Psychology unit from PSYC (2011 or 2111), PSYC (2012 or 2112), PSYC (2014 or 2114). **Prohibitions:** PSYC3206 **Assessment:** One 2 hour exam, one 2000 word report. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Ec (Soc Sc), B Ed, B A (Psych), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program.

This unit examines various theoretical approaches to human development and selected issues within Developmental Psychology. The major issues/controversies in developmental theory are examined in relation to a number of the more influential theoretical approaches. Students are expected to gain an understanding of the main theoretical influences upon current developmental research and to be able to compare and contrast theories of development. The unit introduces students to a range of issues in selected areas of contemporary Developmental Psychology. Students are expected to gain knowledge of these areas, and to develop a critical approach to the analysis of current research and theoretical issues. They are also expected to apply their knowledge in practical exercises involving observations of children.

#### Textbooks

White, Hayes & Livesey (2005) *Developmental Psychology*. Pearson Edn.

### PSYC3017

#### Social Psychology Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Lisa Zadro **Session:** Semester 1  
**Classes:** Two 1 hour lectures and one 2 hour tutorial per week. **Prerequisites:** PSYC (2013 or 2113) and at least one other Intermediate Psychology Unit of Study from PSYC (2011 or 2111), PSYC (2012 or 2112), PSYC (2014 or 2114). **Prohibitions:** PSYC3212 **Assumed knowledge:** PSYC (2012 or 2112). **Assessment:** One 2 hour exam, one 2500 word research report, tutorial presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Ec (Soc Sc), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program.

This unit continues the coverage of topics in Social Psychology begun in PSYC1001 and PSYC2013. The unit is divided into topic areas, where the emphasis is on evaluating theories and the relevant evidence. Topics areas include social relationships, antisocial behaviours, applied social psychology (effects of the physical environment on social behaviour; jury decision making), social cognition, leadership, and cross cultural psychology. Tutorials provide first hand experience of research by involving students in a range of research projects on the topics covered in the lectures. The tutorials also provide an opportunity for discussion of issues associated with these topics.

#### Textbooks

See School website.

### PSYC3018

#### Abnormal Psychology Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Marianna Szabo **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour tutorial per week. **Prerequisites:** PSYC (2014 or 2114) and at least one other Intermediate Psychology unit of study from PSYC (2011 or 2111), PSYC (2012 or 2112), PSYC (2013 or 2113). **Prohibitions:** PSYC3203 **Assumed knowledge:** PSYC2012 **Assessment:** One 2 hour exam, one 2000 word essay, quiz, tutorial presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Ec (Soc Sc), B Ed, B A (Psych), B Ed, B Sc (Psych), B Sc, Grad Dip Psych, UG Study Abroad Program.

This unit of study critically examines core issues in Abnormal Psychology, concerning the description, explanation and treatment of psychological disorders. The unit of study will include topics such as:

- (a) Adult abnormal psychology: Anxiety disorders (specific phobias, panic disorder, generalised anxiety disorder, OCD); Addictive disorders (drug, alcohol, gambling); Eating disorders (anorexia nervosa, bulimia nervosa); Mood disorders (dysthymia, major depressive disorder, cyclothymia, bipolar disorder); Schizophrenia, Personality disorders.
- (b) Child abnormal psychology: Attention Deficit Hyperactivity disorder; Conduct disorder; Anxiety disorders, Depression.

#### Textbooks

See School website.

### PSYC3020

#### Applications of Psychological Science Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Barbara Mullan **Session:** Semester 2 **Classes:** two 1 hour lectures and one 2 hour tutorial per week **Prerequisites:** 12 credit points of junior psychology and 12 credit points in Intermediate Psychology **Prohibitions:** PSYC3019 **Assessment:** one 2 hour examination and one 2500 word written assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Med Sc, B Sc, Grad Dip Psych, UG Study Abroad Program.

The main focus of this unit will be on Health Psychology, but other applied areas such as Forensic and Organizational Psychology will also be introduced. The aim of the Health Psychology component is to define health within a biopsychosocial framework and to present some of the current issues in the area. It will provide an introduction to key areas in health psychology, and demonstrate how they relate to other disciplines. Issues such as the context within which treatment takes place, the psychosocial factors involved in dealing with physical disease, the application of psychological theory to illness and preparation for hospitalization, the management of adverse psychological sequelae arising from hospitalisation and rehabilitation will be considered. Also considered are the key models and theories in health Psychology which are seen by many to be the foundations of the subject area.

#### Textbooks

Morrison, Bennett, Butow, Mullan and White. *An Introduction to Health Psychology: An Australian perspective*. Pearson Education, Australia. 2007

### PSYC3551

#### Psychology Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PSYC3552

#### Psychology Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### PSYC3553

#### Psychology Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PSYC3554****Psychology Exchange  
Science**

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PSYC3555****Psychology Exchange  
Science**

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PSYC3556****Psychology Exchange  
Science**

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PSYC3557****Psychology Exchange  
Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PSYC3558****Psychology Exchange  
Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PSYC3559****Psychology Exchange****Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PSYC3560****Psychology Exchange  
Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B Sc, Grad Dip Psych.

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**PSYC4011****Psychology Honours A  
Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B A (Psych)(Hons), B Ec (Soc Sc)(Hons), B Psych (Hons), B S T (Hons), B Sc (Hons).

Students enrolled in the Honours programs study various advanced aspects of Psychology. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

**PSYC4012****Psychology Honours B  
Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** PSYC4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Psych)(Hons), B Ec (Soc Sc)(Hons), B Psych (Hons), B S T (Hons), B Sc (Hons).

See PSYC4011

**PSYC4013****Psychology Honours C  
Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** PSYC4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Psych)(Hons), B Ec (Soc Sc)(Hons), B Psych (Hons), B S T (Hons), B Sc (Hons).

See PSYC4011

**PSYC4014****Psychology Honours D  
Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** PSYC4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Psych)(Hons), B Ec (Soc Sc)(Hons), B Psych (Hons), B S T (Hons), B Sc (Hons).

See PSYC4011



# University undergraduate units of study – R

## REHB2026

### Fundamentals of Rehabilitation Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 1, Semester 2 **Classes:** 2hrs lectures/week **Assessment:** Take home exam (20%), 2000 word essay (40%), 2000 word practical exercise (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sci, B Hlth Sci, M Rehab Cng, B Hlth Sci, M Rehab Cng, UG Study Abroad Program.

This unit introduces students to broad definitions pertinent to both disability/disadvantage and rehabilitation. It outlines the major categories of disability. It looks at the primary causes of disability and disadvantage and repercussions (physical, social and psychological) of disability and disadvantage. The interventions, physical and psychological, to redress disability and disadvantage problems and issues will also be canvassed. The unit outlines the rehabilitation process. The stages in the process, aims and objectives of each stage and key professionals associated with the provision of a comprehensive rehabilitation service. The nature of specific services provided and the ways in which clients of rehabilitation are managed through the rehabilitation process. The unit considers vocational and avocational rehabilitation and community re-entry aspects of disability and disadvantage.

## REHB3037

### Vocational Rehabilitation IIIA Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 1 **Classes:** On-campus, 2hrs/week **Assessment:** Exercise, exam **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program.

Students are introduced to the placement process and the issues involved in securing meaningful work for persons with disabilities. Students also become aware of the problems faced by individuals when they return to work following injury or disability. Students are introduced to an approach of 'marketing' clients in the workplace in order to increase the job options that are made available to them. Post-placement services that can be offered in order to encourage long term mutually beneficial relationships between employers and rehabilitation counsellors/providers are outlined.

## REHB3038

### Vocational Rehabilitation IIIB Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Ms Marcia Underwood **Session:** Semester 2 **Classes:** 2hrs lecture/week **Assessment:** Assignment (50%), VAC report (15%), exam (35%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program.

Students are exposed to methods of assisting clients to seek their own employment. Job seeking and job maintenance skills are discussed. The program has a practical focus.

## REHB3039

### Avocational Rehabilitation Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Ms Caroline Howe **Session:** Semester 1 **Classes:** 1hr lecture/week **Assessment:** Critical case evaluation (60%),

report and folder (40%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program.

This unit introduces and explores key issues in the provision of non-vocational programs and long-term case management for people with disability. The range of non-vocational options, including recreation and leisure, sport and social skills programs are investigated. Students have opportunities to identify the need for non-vocational programs through case studies, and develop rehabilitation counselling skills to facilitate access to client specific options.

## REHB3040

### Psychiatric Rehabilitation Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 2 **Classes:** On-campus, 1hr/week, students provided with study guide, notes, readings **Prerequisites:** REHB1007 Rehabilitation Counselling I, REHB2011 Rehabilitation Counselling IIA, REHB2012 Rehabilitation Counselling IIB **Assessment:** Assignment **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program.

This unit examines goals, values and guiding principles and methodology of psychiatric rehabilitation and its application to the rehabilitation of people with severe and persistent symptoms of mental illness. Current practice in rehabilitation is evaluated.

## REHB3042

### Rehabilitation Counselling IIIA Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Ms Sandra Bentley **Session:** Semester 1 **Classes:** Six 2hr lectures **Prerequisites:** REHB2012 Rehabilitation Counselling IIB **Assessment:** 1hr exam (50%), report (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program.

This unit covers adjustment to disability theory and the application of counselling skills in a rehabilitation counselling context. The unit also provides a group leadership learning opportunity via the application of group counselling skills to address adjustment and transition issues.

## REHB3043

### Rehabilitation Counselling IIIB Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Ms Sandra Bentley **Session:** Semester 2 **Classes:** 2hr lecture/week **Prerequisites:** REHB3042 Rehabilitation Counselling IIIA **Assessment:** 1hr exam (40%), assignment (60%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program.

This unit provides students with introduction to the theory and practice in solution-focused brief therapy. Students also gain skills in assessment and interventions session planning using this counselling approach.

## REHB3044

### Medical Aspects of Disability



## Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Ms Marcia Underwood **Session:** Semester 1, Semester 2 **Classes:** 1hr lecture/week **Assessment:** 1hr exam (50%), short answers (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program.

This unit aims to provide a background of information and knowledge which is essential for effective rehabilitation practice. It develops the students' general knowledge of the medical basis of disability as well as giving them the opportunity to acquire specialised expertise in particular areas.

### REHB3049

#### Professional Practice IIIA

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Marcia Underwood **Session:** Semester 1 **Classes:** Fieldwork placement **Assessment:** Assessment based on clinical performance, written material **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons.

Students will participate in regular professional development workshops and lectures aimed at enhancing their professional knowledge and skill base across the rehabilitation and disability fields.

### REHB3050

#### Professional Practice IIIB

##### Health Sciences

**Credit points:** 9 **Teacher/Coordinator:** Ms Marcia Underwood **Session:** Semester 2 **Classes:** Fieldwork placement **Assessment:** Assessment based on clinical performance, written material **Practical field work:** Fieldwork placement (5 weeks) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons.

Students are required to complete a supervised five-week full-time placement in a rehabilitation or related program. Students are expected to put into practice their knowledge and skills in rehabilitation counselling through case management and rehabilitation planning in a supervised setting.

### REHB3056

#### Rehab of Persons with Hearing Loss

##### Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 1, Semester 2 **Classes:** Students are required to attend Deaf Education Network (DEN) Auslan courses **Assessment:** Credit transfer granted to students who successfully complete Auslan Certificates 1 and 2 at Deaf Education Network (DEN) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program.

Students are exposed to a method of communication with persons with hearing impairment.

### REHB3062

#### Public Offenders: Criminality & Rehab

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 1, Semester 2 **Classes:** Distance only **Prohibitions:** REHB3051 Rehabilitation of Public Offenders **Assessment:** Mid semester exam (40%), 2000 word essay (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, B Hlth Sci, UG Study Abroad Program.

This unit introduces students to issues relating to the rehabilitation of public offenders including adults (males and females) and youth offenders. Students will study the major theories of criminality and community attitudes impacting on government approaches to rehabilitation and incarceration policy. The unit will examine the

different approaches and policies to the incarceration of adult males and females and young people and the goals of these approaches. Special attention will be paid to examining the nature of the objectives and desired outcomes of incarceration. Students will analyse the roles and functions of personnel employed within the prison system, including that of custodial personnel and professional workers. In particular the unit will look at the various health issues associated with public offender rehabilitation, including drug addiction, mental illness and HIV/AIDS, the health services available within the prisons and the role played by the various health professionals employed to deal with such problems. Students will also be introduced to the probation and parole system and to the various alternative to full-time incarceration, including community service, day release, work release, and weekend detention. They will examine the aims and objectives of these alternatives and the roles and functions of professional workers (including health workers) employed to administer these programs.

*Textbooks*

Course will be supplied with study notes and readings

### REHB3063

#### Disability, Work and Quality of Life

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Ms Marcia Underwood **Session:** Semester 1, Semester 2 **Classes:** 2hrs/week **Assessment:** Multiple choice and short answer class exercise (25%), group presentation and 500 word summary report (25%), 2000 word logbook (50%) **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This is a faculty wide elective for Semester 1, and a core unit for Semester 2 for the BHS/MRC*

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, B Hlth Sci, B Hlth Sci, M Rehab Cng, UG Study Abroad Program.

This unit will provide students with a sound understanding and awareness of disability and social disadvantage issues in today's society, viewed from the perspective of the consumer, the health professional and society. It will explore the primary causes of the major categories of disability and social disadvantage together with indicators and research findings of social and vocational alienation within communities. The subject will further investigate the role of rehabilitation in light of the physical, social and psychological consequences and impacts of disability and social disadvantage (both positive and negative) particularly in relation to work, education, quality of life and community integration. We will explore the stages of change and the significance of attitude, perceptions, group norms and the role of significant others.

*Textbooks*

Course will be supplied with study notes and readings

### REHB3064

#### Alcohol and Drug Misuse Rehabilitation

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Rodd Rothwell **Session:** Semester 1, Semester 2 **Classes:** Distance education **Prohibitions:** REHB3061 Rehabilitation and Substance Abuse **Assessment:** 1500 word mid semester essay (40%), 2000 word essay (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, B Hlth Sci, UG Study Abroad Program.

This unit introduces students to issues relating to a major public health problem: the misuse of alcohol and other addictive drugs. The unit introduces students to two major aspects of this area: issues relating to the development of health prevention/health promotion policy, covering the philosophies of harm minimisation and zero tolerance; approaches to rehabilitation and treatment of those overusing both alcohol and other drugs. The unit commences with an analysis of public health policy approaches to the rehabilitation and treatment of people overusing alcohol and other harmful drugs. Students will be required to undertake an exercise involving an analysis of the effectiveness of the two major policy approaches to the problem of drug overuse and abuse: harm reduction and zero tolerance. They will be required to examine the evidence supporting these two



approaches to public health policy. In the second part of the unit students will study the major therapeutic approaches to treatment and rehabilitation. This will include familiarisation with Alcoholics Anonymous, clinically based approaches including transactional analysis and other group therapy oriented approaches, the various behavioural therapies, therapeutic communities, methadone maintenance, needle exchange and recent trials in safe injection facilities. They will become familiar with the nature of services offered, the role of the various health professionals in these services and the nature of effective treatment and rehabilitation outcomes.

#### Textbooks

Study notes provided with references

### REHB3065

#### PTSD and Rehabilitation

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 1 **Classes:** Distance education students will be provided with module notes, readings and exercises **Prohibitions:** REHB3059 Rehabilitation and PTSD **Assessment:** Take home exam (40%), 2000 word research report (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, B Hlth Sci, UG Study Abroad Program.

This unit introduces the clinical entity of posttraumatic stress disorder (PTSD). Students will learn about the history, nature and presentation of the disorder. Major theoretical approaches to treatment and rehabilitation are examined with interventions for both acute and persisting forms of the disorder being presented. Students will examine the contributions of a range of health care/rehab professionals to the case management of people with PTSD. Students will have the opportunity to extend their knowledge of PTSD through the completion of a specialised research report.

### REHB3066

#### Chronic Pain: Disability and Rehab

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mrs Caroline Howe **Session:** Semester 2 **Classes:** Online **Prohibitions:** REHB3060 Chronic Pain and Rehabilitation **Assessment:** Multiple choice and short answer exam (20%), 4 discussion group entries (2000 words) (30%), 2000 word research report (50%) **Campus:** Cumberland **Mode of delivery:** On-line

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, B Hlth Sci, M C V S, UG Study Abroad Program.

Chronic non-cancer pain is a disabling phenomenon and a significant challenge for health professionals. Theories of chronic pain will be presented and students will engage in contemporary research relating to chronic pain management. Current innovations in treatment in this area will be explored. Students will also look at different outcome measures including quality of life. Interdisciplinary team approaches to planning client management will be investigated. The unit will also look at the importance of self management for the health professional to reduce the risks of burnout in working with this population of clients.

#### Textbooks

MacLellan, Management of Pain. A Practical Approach for Health Professionals (1st ed), Nelson Thomas (2006)

### REHB3067

#### Acquired Brain Injury Rehabilitation

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Mr Trevor Hawkins **Session:** Semester 1 **Classes:** 1hr lecture/week **Prohibitions:** REHB3053 Acquired Brain Injury Rehabilitation **Assumed knowledge:** Basic understanding of anatomy of the brain and human behaviour and cognition patterns **Assessment:** Mid semester exam (30%), resource folder (30%), 1500 word essay (40%) **Practical field work:** Contact with rehabilitation agencies will form part of the resource folder assignment as will accessing information through other sources (e.g., internet) on the services provided for persons with acquired brain injury **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program.

This unit introduces students to a particular disability population, namely those persons with an acquired brain injury. The unit commences with an examination of different areas of the brain

specifically in terms of the specific actions and thought processes associated with those different areas. How brain injuries are acquired, the different types of brain injuries that occur and their effects on individual client functioning in cognitive, physical, psychological and behavioural domains will also be examined. The unit also focuses in on the impact of brain injury on significant others. The epidemiology of brain injury and the risk factors associated with those who most frequently acquire such injuries are explored. The rehabilitation process, the types of services offered, how they are offered, the roles of different health professionals in providing these services and how long and involved the rehabilitation process is will be for individual clients is also outlined. Analysis of the current range of service providers will be undertaken by students. The range of possible outcomes (community, avocational and work) for this client population will be explored, as will the client and family response to these potential outcomes. Finally the impact of legislation on service provision will also be examined.

### REHB3069

#### HIV/AIDS: Developments in Rehabilitation

##### Health Sciences

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Elias Mpofu **Session:** Semester 2 **Classes:** Distance education students will be provided with module notes, readings and exercises **Assessment:** Take home exam (40%), 2000 word research report (60%) **Campus:** Cumberland **Mode of delivery:** Distance Education

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program.

This unit presents the epidemiology, health impacts, interventions and rehabilitation of HIV disease. Latest research that examines medical, health and psychosocial aspects will be explored. Current and innovative approaches to treatment and rehabilitation will be examined. Issues for counselling and counsellors who are working with people with HIV as well as personal perspectives of people with HIV will be discussed. Students will explore the consequences of this disease on quality of life for people with HIV who are living and working in the community.

### REHB4009

#### Rehabilitation Counselling IV

##### Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Assoc Prof Elias Mpofu **Session:** Semester 1 **Classes:** On-campus, 2hrs/week **Prerequisites:** REHB3043 Rehabilitation Counselling IIIB **Assessment:** Interview demonstration **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Rehab Cng), B Hlth Sc (Rehab Cng) Hons, UG Study Abroad Program.

Counselling interview practice which focuses on the application of solution-focused brief therapy to facilitate the rehabilitation process of case study clients.

### REHB4019

#### Thesis A

##### Health Sciences

**Credit points:** 7 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 1 **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Rehab Cng) Hons.

Honours students undertake a supervised research project in one of the range of areas of rehabilitation and/or disability. Students choose a research topic, conduct a literature review, develop a research design and prepare an ethics submission under the supervision of an academic staff member.

### REHB4021

#### Professional Practice IVA

##### Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Ms Marcia Underwood **Session:** Semester 1 **Classes:** Fieldwork placement **Assessment:** Assessment based on clinical performance, written material **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B Hlth Sc (Rehab Cng).

Students will participate in advanced professional development workshops and lectures which will be offered at a higher level of skill development to reflect the advanced competencies and range of experience of students nearing completion of their studies.

#### REHB4022

##### Professional Practice IVB

##### Health Sciences

**Credit points:** 24 **Teacher/Coordinator:** Ms Marcia Underwood **Session:** Semester 1, Semester 2 **Classes:** Fieldwork placement **Assessment:** Assessment based on clinical performance, written material **Practical field work:** Fieldwork (10 weeks) **Campus:** Cumberland **Mode of delivery:** Professional Practice

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Hlth Sc (Rehab Cng).

Students are required to complete a supervised 10-week full time block (or equivalent) placement in a rehabilitation or related program. As the final practicum of the four-year professional practice program, students are expected to put into practice their knowledge and skills in rehabilitation counselling through case management and rehabilitation planning in a supervised setting.

#### REHB4023

##### Honours Workshop

##### Health Sciences

**Credit points:** 3 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 2 **Classes:** 1hr/week **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Hlth Sc (Rehab Cng) Hons.

Honours students are assisted with the development of their individual research projects for the completion of thesis in Year 4. At the conclusion of this unit, each student will have prepared a written proposal for their research project.

#### REHB4024

##### Professional Practice IVHA

##### Health Sciences

**Credit points:** 8 **Teacher/Coordinator:** Ms Marcia Underwood **Session:** Semester 1 **Classes:** Fieldwork placement **Prerequisites:** Either REHB1006, or REHB1008 Professional Practice IA and REHB1009 Professional Practice IB; either REHB2018, or REHB2021 Professional Practice IIA and REHB2025 Professional Practice IIB; REHB3049 Professional Practice IIIA, REHB3050 Professional Practice IIIB **Assessment:** Assessment based on clinical performance, written material **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B Hlth Sc (Rehab Cng) Hons.

Students will participate in advanced professional development workshops and lectures which will be offered at a higher level of skill development to reflect the advanced competencies and range of experience of students nearing completion of their studies.

#### REHB4025

##### Professional Practice IVHB

##### Health Sciences

**Credit points:** 16 **Teacher/Coordinator:** Ms Marcia Underwood **Session:** Semester 2 **Classes:** Fieldwork placement **Prerequisites:** REHB1006 Professional Practice 1, or REHB1008 Professional Practice IA and REHB1009 Professional Practice IB, REHB2018 Professional Practice IIB, or REHB2021 Professional Practice IIA and REHB2025 Professional Practice IIB, REHB3049 Professional Practice IIIA, REHB3050 Professional Practice IIIB **Assessment:** Assessment based on clinical performance, written material **Practical field work:** Supervised placement (10 weeks) **Campus:** Cumberland **Mode of delivery:** Professional Practice

**Associated degrees:** B Hlth Sc (Rehab Cng) Hons.

Students are required to complete a 10 week supervised full-time block placement (or equivalent) in a rehabilitation or related program. As the final practicum of the four-year professional practice program, students are expected to put into practice their knowledge and skills

in rehabilitation counselling through case management and rehabilitation planning in a supervised setting.

#### REHB4026

##### Thesis B

##### Health Sciences

**Credit points:** 8 **Teacher/Coordinator:** Dr Lynda Matthews **Session:** Semester 2 **Prerequisites:** REHB4019 Thesis A **Campus:** Cumberland **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hlth Sc (Rehab Cng) Hons.

Students will collate and analyse their data, interpret the results and submit a thesis describing the project and its implications for service delivery and further research.

#### RLST1001

##### Paths to Enlightenment

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Cusack **Session:** Semester 1, Summer Late **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Assessment:** One 1 hour exam (30%), one 2500 word essay (50%) and one tutorial presentation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Ec (Soc Sc), B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

This unit of study is an introduction to the traditions of eastern Asia and Aboriginal Australia in addition to the theories and evidence of the pre-historic development of religion. It will provide you with the factual and academic foundations needed to approach these questions, and will give you a greater insight to the beliefs and philosophies of indigenous Australia and the East.

*Textbooks*

Course Reader

#### RLST1002

##### The History of God

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc. Prof. I Gardner **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 1 hour tutorial per week **Assessment:** One 1 hour exam (30%), one 2500 word essay (50%) and one tutorial presentation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Ec (Soc Sc), B Int S, B Sc, B Com, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

This unit is a general introduction to the emergence of the great religious traditions in the ancient world, with specific reference to the West Asia and Mediterranean regions. The unit of study includes the ancient religions of Egypt, Persia, Greece and Rome, as well as the foundations of Judaism, Christianity and Islam. Special attention is given to the tensions between monetheism (one god) and polytheism (many gods). Students are expected to specialise in traditions and themes of their own choice in writing essays.

*Textbooks*

Course Reader

#### RLST1801

##### Religious Studies Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Cusack **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point junior unit of study in Studies in Religion at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies in the Department.

#### RLST2606

##### Christianity as a Global Religion

**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Assoc. Prof. I Gardner **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prohibitions:** RLST2006 **Assumed knowledge:** 12 junior credit points of Religion Studies, or equivalent as assessed by the Department **Assessment:** Tutorial Presentation (1,000 words) 25% Essay (2,000 words) 40% Take Home Exam (1,500 words) 35% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, UG Study Abroad Program.

This unit traces the development of Christianity from the early modern period into the twenty-first century. Numerous themes demand attention in order to understand the diversity of the contemporary churches in all their vitality and crises: colonialism, post-colonialism and Christian mission; the challenges of secularism, science and atheism; new media and technologies; pluralism and inter-religious dialogue; faith, religious experience and the nature of identity.

*Textbooks*  
Course Reader

**RLST2609****Theravada Buddhism**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr P Fuller **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prohibitions:** RLST2009 **Assumed knowledge:** 12 junior credit points of Religion Studies, or equivalent as assessed by the Department **Assessment:** Tutorial Presentation (1,000 words) 25% Essay (2,000 words) 40% Take Home Exam (1,500 words) 35% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit examines the development of early Buddhism, surveying the religious background of India at the time of the Buddha, then considering his life, his teachings and the community he established. The development and spread of Buddhism within the Indian subcontinent and beyond is examined, noting the changing philosophical concerns and modes of religious practice of the Theravada tradition. Traditional meditation practices will be examined, as will the question of Buddhist attitudes toward nature and the contribution of Buddhism to environmental philosophy.

*Textbooks*  
Course Reader

**RLST2612****Dualism: Zoroaster, Gnosis & Manichaeism**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Assoc. Prof. I Gardner **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prohibitions:** RLST2012 **Assumed knowledge:** 12 junior credit points of Religion Studies, or equivalent as assessed by the Department **Assessment:** Tutorial Presentation (1,000 words) 25% Essay (2,000 words) 40% Take Home Exam (1,500 words) 35% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit provides an overview of the Zoroastrian, Gnostic and Manichaean traditions, with particular emphasis on certain topics and themes. These include: Zoroaster and the context of Indo-Iranian religion; Christian gnosis; Hermeticism and alchemy; Manichaeism; dualism and the problem of evil; apocalypse and eschatology. A special feature of this unit is the use of new and unpublished texts and research deriving from ongoing fieldwork in the Middle East.

*Textbooks*  
Course Reader

**RLST2620****Religion and Violence, Faith and Blood**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr C Hartney **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Prohibitions:**

RLST2020 **Assumed knowledge:** 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department **Assessment:** Tutorial Presentation (1,000 words) 25% Essay (2,000 words) 40% Take Home Exam (1,500 words) 35% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), Dip Arts, UG Study Abroad Program.

The twentieth century faced an unprecedented range of near-global crises - wars, depressions, communist-capitalist confrontation, ethnic conflict, epidemics, ecological disasters, extraordinary technological advances, the radical questioning of traditional values (along with secularisation) followed by reactive fundamentalisms, as well as serious tensions between modern science and religious conservatism. This unit considers how these crises have been addressed in religious thought and action. It will discuss popular mentalities and new spiritualities together with responses in the thought and praxis of leading religious figures.

*Textbooks*  
Course reader

**RLST2624****The Birth of Christianity**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Assoc. Prof. I Gardner **Session:** Semester 1 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prohibitions:** RLST2024 **Assumed knowledge:** 12 junior credit points of Religion Studies, or equivalent as assessed by the Department **Assessment:** Tutorial Presentation (1,000 words) 25% Essay (2,000 words) 40% Take Home Exam (1,500 words) 35% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit discusses the textual, archaeological and socio-cultural evidence for the origins of Christianity; with a particular purpose to analyse how cults centred on the charismatic figure of Jesus of Nazareth led to the construction of such a powerful religious tradition. Tensions within that emergent tradition will be considered, and especially its struggle towards self-identity with both Judaism and the Greco-Roman world.

*Textbooks*  
Course Reader

**RLST2625****Religion and the Arts**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr C Hartney **Session:** Semester 2 **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prohibitions:** RLST2025 **Assumed knowledge:** 12 junior credit points of Religion Studies, or equivalent as assessed by the Department **Assessment:** One 3000 word essay and one tutorial presentation and 1000 word tutorial paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

An investigation into the various ways in which the arts - music, dance, literature and visual art - relate to religious life. Lectures and tutorials will introduce students to the world of religion and art in the traditions of China, India, the Middle East and Europe. The interpretation will particularly focus upon the way a people's understanding of the sacred shapes the significance they give to the arts.

*Textbooks*  
Course Reader

**RLST2627****Religion in Multicultural Australia**  
**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr C Cusack **Session:** Semester 1, Summer Early **Classes:** One 2 hour lecture and one 1 hour tutorial per week **Prohibitions:** RLST2027 **Assumed knowledge:** 12 junior credit points of Religion Studies, or equivalent as assessed by the Department **Assessment:** Take home exam (1250 words) 30% Essay (2500 words) 50% Tutorial oral participation and 750 word presentation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program, UG Summer/Winter School.

This unit introduces the role played by religion in Australian culture, covering the indigenous Aboriginal religions and the introduced religions of migrants. Contrasting the place of Christianity in the foundation of convict colonies with that of the communities founded by the Pilgrim Fathers in America; considering minority religions (notably Judaism and Islam) in nineteenth century Australia; noting political factors (e.g., Constitutional protection of religious freedom, White Australia Policy); and finally assessing the multicultural and multi-faith community which is contemporary Australia.

*Textbooks*  
Course Reader

### RLST2635

#### Sex, Desire and the Sacred

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr J Johnston **Session:** Semester 2  
**Classes:** One 2hour lecture and one 1hour tutorial per week. **Assumed knowledge:** 12 junior credit points of Religion Studies, or equivalent as assessed by the Department **Assessment:** 2500 word essay (50%), 1250 word tutorial presentation (30%), WebCT presentation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit examines relations between sexuality, desire, gender and the sacred as presented in the major faith traditions, including their esoteric currents, and in New Age religion. It is designed to introduce students to conceptualisations of the self and divine and their interrelation, and covers core philosophy of religion topics such as ontology and ethics. Topics include tantra, the commercialisation of 'sacred sex', eroto-mysticism, cults of virginity and abstinence. Significant attention is given to issues of cultural difference and gender.

*Textbooks*  
Course Reader

### RLST2636

#### Ancient Egyptian Religion and Magic

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr J Johnston **Session:** Semester 1  
**Classes:** One 2 hour lecture and one 1 hour tutorial per week. **Assumed knowledge:** 12 junior credit points of Religion or equivalent as assessed by the Department **Assessment:** One 2500 word essay and one 1500 word tutorial paper. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit will introduce the cosmologies, gods and religious structures of Pharaonic Egypt, including the imperial cult, sacred language, popular religion and magic. It will then consider the legacy of ancient Egyptian religion and magic in late antiquity, including the cult of Isis, Hermetic and Gnostic movements, the spiritual influence of the city of Alexandria, and the persistence of Coptic magic. Finally, there will be discussion of the abiding fascination with all things Egyptian in modern esotericism and popular culture.

### RLST2637

#### Engaged Buddhism: Politics and Justice

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr P Fuller **Session:** Semester 2  
**Classes:** One 2 hour lecture and one 1 hour tutorial per week **Assumed knowledge:** 12 junior credit points of Religion or equivalent as assessed by the Department **Assessment:** Tutorial Presentation (1,000 words) Essay (2,000 words) Take Home Exam (1,500 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts, UG Study Abroad Program.

This unit explores Socially Engaged Buddhism which is a significant new form of practice in world Buddhism, associated with the Dalai Lama, Thich Nhat Hanh and Buddhadasa. The unit explores the origins of engaged Buddhism and considers the arguments as to whether Engaged Buddhism is a new phenomenon, or whether Buddhism has

always been engaged in social issues. Emphasis is placed upon engaged Buddhism in the West, and how modern Buddhists have influenced and adapted traditional Buddhist ideas and practices.

### RLST2804

#### Religious Studies Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Cusack **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Religious Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

### RLST2805

#### Religious Studies Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Cusack **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Religious Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

### RLST2806

#### Religious Studies Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Cusack **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Religious Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

### RLST2809

#### Religious Studies Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Cusack **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Religious Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

### RLST2810

#### Religious Studies Exchange

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr C Cusack **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Arts.

Students enrolled at Sydney University who wish to take the equivalent of a 6 credit-point senior unit of study in Religious Studies at an approved overseas university should enrol in this unit. Such students must seek approval for their proposed course of study from the Director of Undergraduate Studies.

### RLST4011

#### Religious Studies Honours A

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Associate Professor Iain Gardner  
**Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week  
**Prerequisites:** Credit average in 48 senior credit points of Studies in Religion.  
**Assessment:** Thesis of 12000-15000 words (50%); Honours seminar (30%); one 6000 level class each semester (20%) **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), Dip Arts(Hons).

The Honours program has the following constituent elements:

Thesis of 12,000 - 15,000 words;

One 6000 level class each semester (see department for a list of units of study).

Seminar during February semester: " Problems of Method in the Study of Religion".

*Textbooks*

Kees Bolle, The Enticement of Religion. University of Notre Dame Press, 2002.

### RLST4012

#### Religious Studies Honours B

##### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** RLST4011  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), Dip Arts(Hons).

Refer to RLST4011

### RLST4013

#### Religious Studies Honours C

##### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** RLST4012  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), Dip Arts(Hons).

Refer to RLST4011

### RLST4014

#### Religious Studies Honours D

##### Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** RLST4013  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), Dip Arts(Hons).

Refer to RLST4011

### RSEC1031

#### Resource Economics 1

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Fredoun Ahmadi Esfahani  
**Session:** Semester 2 **Classes:** (2 lec & 1 tut)/wk **Prohibitions:** AGE1031  
**Assessment:** One mid semester exam (1 hour), one final exam (2 hours), tutorial papers, assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com, B Ec, B Ec Soc Sc, B Int S, B L W Sc, B Res Ec, UG Study Abroad Program.

This unit provides a comprehensive introduction to resource and environmental economics, and how particular concepts in economics are used to provide insights into efficient and sustainable natural resource management. Some descriptive content regarding Australia's natural resource assets and industries is included, but the primary

focus is analytical. Emphasis is placed on the importance of property rights structures, cost-effective regulations and dynamic considerations in managing natural resource stocks and environmental assets. Some material on economic valuation of environmental assets and benefit-cost analysis is included.

### RSEC4131

#### Benefit-Cost Analysis

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Fredoun Ahmadi-Esfahani  
**Session:** Semester 1 **Classes:** (2 lec & 1 tut)/wk **Prerequisites:** (ECON2001 or ECOS2001) and (AGEC2103 or AGE1031) **Prohibitions:** AGE1037  
**Assessment:** 20% written essay, 20% mid semester exam, 60% final exam.  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Hort Sc, B Int S, B L W Sc, B Res Ec, B Sc Agr, UG Study Abroad Program.

This unit provides a detailed treatment of benefit-cost analysis and its use in public sector decision making and project evaluation. The underpinning concepts in welfare economics are analysed in detail, such as economic efficiency, criteria for assessing social welfare improvements, and economic surplus measures. Procedures of undertaking a benefit-cost analysis are presented, and tools of non-market valuation for environmental assets are covered in detail. These techniques include both stated and revealed preference techniques, including contingent valuation, choice modeling, hedonic pricing and travel cost methods.

### RSEC4132

#### Environmental Economics

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Tihomir Ancev **Session:** Semester 1 **Classes:** (2 lec & 1 tut)/wk **Prerequisites:** ECON2001 or ECOS2001 or AGE1031 or AGE1037 **Prohibitions:** ECON3013, AGE1035 **Assumed knowledge:** (ECON2001 or ECOS2001), (ECON2002 or ECOS2002), AGE1031, AGE1032, AGE1033 **Assessment:** One 1hr midterm exam, practical report, an essay paper, one 2 hr end of semester exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Only available to 4th year students in the FAFNR. Available to 3rd year students in the FEB. Available to students that have completed RSEC1031 or ENVI3013 with permission from the unit coordinator*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Hort Sc, B Int S, B L W Sc, B Res Ec, B Sc Agr, UG Study Abroad Program.

The course provides theoretical and empirical background necessary for a resource economist to be able to successfully function when faced with various environmental problems. The unit investigates economic aspects of a range of environmental issues. The studied concepts are exemplified with environmental problems related to agriculture (soil salinity, algal blooms, overgrazing etc.) as well as with environmental problems typical to Australia. The guiding economic themes are: competing uses of the environment / externalities, market failure, the importance of property rights, optimal allocation of pollution abatement, technical issues in non-market valuation methods (measuring benefits without commodities), and the processes for making choices relating to non-market goods. Some social issues with environmental impacts are studied through exploration of the problems of population size and distribution, economic growth, and environmental regulation.

*Textbooks*

Grafton, Adamowics, Dupont, Nelson, Hill and Renzetti. The Economics of the Environment and Natural Resources. Blackwell Publishing, 2004  
 Dodo Thampapillai., Environmental Economics: Concepts, Methods and Policies., Oxford University Press, 2002  
 Perman, R., Y. Ma, J. McGilvray and M. Common. Natural Resource and Environmental Economics. Pearson, 3rd Ed. 2003  
 Charles D. Kolstad., Environmental Economics., Oxford University Press, 2000  
 Tom Tietenberg., Environmental and Natural Resource Economics., 6th Edition, Addison-Wesley, 2003.

### RSEC4133

#### Economics of Mineral & Energy Industries

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Tihomir Ancev **Session:** Semester 2 **Classes:** (2 lec & 1 tut)/wk **Prerequisites:** (ECON2001 or ECOS2001) and

(AGEC2103 or AGE2003) **Prohibitions:** ECON3013 **Assumed knowledge:** (ECON2002 or ECOS2002), AGE2001, AGE2101, AGE2105 **Assessment:** One 1hr midterm exam, an essay paper, one 2 hr end of semester exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Only available to 4th year students in the FAFNR. Available to 3rd year students in the FEB. Available to students that have completed RSEC1031 or ENVI3013 with permission from the unit coordinator*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Int S, B Res Ec, UG Study Abroad Program.

The unit provides theoretical and empirical background in the economics of minerals exploration, extraction and marketing and in the economics of energy generation, distribution and use. The economics of minerals and energy commodity markets will be discussed and analyzed. The interactions of mineral extraction and energy generation activities with other natural resources and the environment will be of particular interest (e.g. mine site remediation, land use conflicts). Sustainability and prospects for long term efficient use of these resources, as well as the development and use of alternative technologies will also be discussed. In addition, institutional and policy issues (e.g. regulatory reform), will be analyzed. The unit will discuss the main aspects of the markets for minerals and energy, market structure, business environment and price movements. The unit will also provide an introductory discussion on the markets for derivatives (options, futures, forward, swaps) on minerals and energy commodities.

Available to 3rd year students in the FEB. Available to students that have completed RSEC1031 or ENVI3113 with permission from the unit coordinator.

#### Textbooks

Brennan, T.J., Palmer, L.K. and Martinez, A.S., Alternating Currents: Electricity Markets and Public Policy, Resources for the Future Press, Washington D.C., 2002.

Tilton, J.E., On Borrowed Time? Assessing the Threat of Mineral Depletion, Resources for the Future Press, Washington D.C., 2003.

Perman, R., Y. Ma, J. McGilvray and M. Common. Natural Resource and Environmental Economics. Pearson, 3rd Ed. 2003.

Tom Tietenberg, Environmental and Natural Resource Economics, 6th Edition, Addison-Wesley, 2003.

Ferdinand E. Banks, Energy Economics: A Modern Introduction, Kluwer Academic Publishers, 2000.

Stephen E. Kesler, Mineral Resources, Economics and the Environment, Maxwell Macmillan International, 1994.

N.B. Students are advised not to buy the textbook before lectures commence in case there are any changes.

### RSEC4134

#### Economics of Water & Bio-resources Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Dr Tihomir Ancew **Session:** Semester 2 **Classes:** (2 lec & 1 tut)/wk **Prerequisites:** (ECON2001 or ECOS2001) and (AGEC2103 or AGE2003) **Prohibitions:** ECON3013 **Assumed knowledge:** (ECON2002 or ECOS2002), AGE2001, AGE2101, AGE2105 **Assessment:** One 1hr midterm exam, an essay paper, one 2 hr end of semester exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Only available to 4th year students in the FAFNR. Available to 3rd year students in the FEB. Available to students that have completed RSEC1031 or ENVI3013 with permission from the unit coordinator*

**Associated degrees:** B Agr Ec, B Com, B Ec, B Ec Soc Sc, B Hort Sc, B Int S, B L W Sc, B Res Ec, B Sc Agr, UG Study Abroad Program.

The unit consists of two complementary parts: water economics and economics of biological resources (fisheries, forestry, other wildlife). The main objective of the water economic component is to investigate the economic aspects of water use and water quality. In particular approaches toward efficient use of the water resource over time, optimal allocation of water among competing uses and achievement of the socially optimal level of water quality will be discussed. The demand for water from various sectors will be analysed in both static and dynamic settings. Issues considered include the selection and construction of water storages, aquifer water extraction and alternative water sources. The issues of waste water disposal and water quality, changing water technologies, and water pollution will be also discussed. Particular attention will be devoted to the economic mechanisms for managing the water resources including property

rights, water allocation and water markets. The key policy instruments (taxes, quotas, standards) in these areas will be analyzed and discussed. The institutional and policy aspects will also be considered through analysis of water policy reform in Australia and elsewhere. The main objective of the economics of biological resources will be to introduce students to the bio-economic modelling of the resources that experience biological growth. This will be prominently exemplified through various aspects of fishery economics. The unit will also discuss the economics of wildlife preservation and protection, as well as the economics of biodiversity.

Available to 3rd year students in the FEB. Available to students that have completed RSEC1031 or ENVI3113 with permission from the unit coordinator.

#### Textbooks

Bergstrom, Boule and Poe (Eds.), The Economic Value of Water Quality, Edward Elgar Pub., 2001.

Easter, Rosegrant and Dinar (Eds.), Markets for Water: Potential and Performance, Kluwer Academic Pub., 1998.

David Smith, Water in Australia, Oxford University Press, 1999.

Perman, R., Y. Ma, J. McGilvray and M. Common. Natural Resource and Environmental Economics. Pearson, 3rd Ed. 2003.

John M. Hartwick and Nancy D. Olewiler, The Economics of Natural Resource Use, 2nd Ed., Addison-Wesley, 1998.

Conrad, J.M. (1999), Resource Economics, Cambridge University Press, Cambridge.

N.B. Students are advised not to buy the textbook before lectures commence in case there are any changes.

### RSEC4141

#### Resource Economics Project A Agriculture, Food and Natural Resources

**Credit points:** 9 **Teacher/Coordinator:** A/Prof Fredoun Ahmadi-Esfahani **Session:** Semester 1 **Classes:** (2 hr sem)/wk **Prerequisites:** AGE2001 or AGE2103 or AGE2003 **Corequisites:** RSEC4142 **Prohibitions:** AGE2002, AGE2101, AGE2105 **Assessment:** Research thesis; presentations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Res Ec, UG Study Abroad Program.

In this unit of study, students develop skills in economic research by designing, undertaking and reporting on a single research study (thesis). Students undertake research on an approved topic under the supervision of a member of staff and prepare a report of approximately 25,000 words in length.

#### Textbooks

Not applicable as this is a research unit.

### RSEC4142

#### Resource Economics Project B Agriculture, Food and Natural Resources

**Credit points:** 9 **Teacher/Coordinator:** A/Prof Fredoun Ahmadi-Esfahani **Session:** Semester 2 **Classes:** (2 hr sem)/wk **Prerequisites:** AGE2001 or AGE2103 or AGE2003 **Corequisites:** RSEC4141 **Prohibitions:** AGE2002, AGE2101, AGE2105 **Assessment:** Research thesis; presentations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Res Ec, UG Study Abroad Program.

In this unit of study, students develop skills in economic research by designing, undertaking and reporting on a single research study (thesis). Students undertake research on an approved topic under the supervision of a member of staff and prepare a report of approximately 25,000 words in length.

#### Textbooks

Not applicable as this is a research unit.

# University undergraduate units of study – S

## SANS1001

### Sanskrit Introductory 1

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Allon **Session:** Semester 1  
**Classes:** 3 hours per week **Assessment:** Classwork, assignments, tests (equivalent to 2000 words), 2.5 hour exam (equivalent to 2500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit provides an introduction to Sanskrit. It is intended for students who have little or no previous knowledge of the language. Emphasis will be given to understanding the basic grammatical structures and the Devanagari script. Pronunciation will be given attention. There will be exercises in translation from Sanskrit to English and English to Sanskrit.

#### Textbooks

Egenes, T., Introduction to Sanskrit, Part One. Delhi. Motilal Banarsidass 1996

## SANS1002

### Sanskrit Introductory 2

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Allon **Session:** Semester 2  
**Classes:** 3 hours per week **Prerequisites:** SANS1001 **Assessment:** Classwork, assignments, tests (equivalent to 2000 words), 2.5 hour exam (equivalent to 2500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is an extension of work done in SANS1001. By the end of the unit students will have covered the grammar necessary for reading simple Sanskrit texts.

#### Textbooks

Egenes, T., Introduction to Sanskrit, Part Two. Delhi. Motilal Banarsidass 2000

## SANS2601

### Sanskrit Intermediate 1

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Allon **Session:** Semester 1  
**Classes:** 3 hours per week **Prerequisites:** SANS1002 or equivalent **Prohibitions:** SANS2001 **Assessment:** 2 assignments (equivalent to 2000 words), 2.5 hour exam (equivalent to 2500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit will complete the more advanced grammatical forms in the first half of the semester and will then be devoted to reading classical Sanskrit literature, especially selections relevant to the study of Indian religion and culture. Readings will be drawn from the Hitopadesha, and Mahabharata.

#### Textbooks

Lanman, C. R., A Sanskrit Reader, 2nd edn. (Satguru Publications, 1983)

## SANS2602

### Sanskrit Intermediate 2

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Allon **Session:** Semester 2  
**Classes:** 3 hours per week **Prerequisites:** SANS2001 or SANS2601 or equivalent **Prohibitions:** SANS2002 **Assessment:** Classwork, assignments, tests (equivalent to 2000 words), 2.5 hour exam (equivalent to 2500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit will be devoted to reading classical Sanskrit literature, especially selections relevant to the study of Indian religion and culture.

Readings will be drawn from texts such as the Bhagavadgita, Mahabharata and Jatakamala.

#### Textbooks

Lanman, C.R., A Sanskrit Reader 2nd edn. (Satguru Publications, 1983)

## SANS3601

### Sanskrit Advanced 1

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Allon **Session:** Semester 1  
**Classes:** 3 hours per week **Prerequisites:** SANS2002 or SANS2602 or equivalent **Prohibitions:** SANS3001 **Assessment:** 2 assignments (equivalent to 2000 words), 2.5 hour exam (equivalent to 2500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit will be devoted to reading a range of Sanskrit literature including more advanced poetical and philosophical texts. Readings will be drawn from texts such as the Ramayana, Buddhacarita and Yogasutras.

## SANS3602

### Sanskrit Advanced 2

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Allon **Session:** Semester 2  
**Classes:** 3 hours per week **Prerequisites:** SANS3001 or SANS3601 or equivalent **Prohibitions:** SANS3002 **Assessment:** 2 assignments (equivalent to 2000 words), 2.5 hour exam (equivalent to 2500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit will be devoted to reading a range of Sanskrit literature including more advanced poetical and philosophical texts. Readings will be drawn from texts such as the Ramayana, Buddhacarita and the Yogasutras.

## SANS3612

### Sanskrit Research Preparation 2

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Mark Allon **Session:** Semester 2  
**Classes:** 3 hours per week **Prerequisites:** Credit result in SANS2001 or SANS2601 **Assessment:** 3 assignments (equivalent to 4500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud.

Designed for students hoping to specialise in Indian and/or Buddhist Studies, this unit focuses on the classical languages of India, with a view to providing students with the ability to read and conduct research into Sanskrit texts in their original language.

## SANS4001

### Sanskrit IV Honours A

#### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Mark Allon **Session:** Semester 1, Semester 2 **Prerequisites:** credit average in 48 senior credit points in Sanskrit units **Assessment:** 2 coursework components (includes translation work and essays) (25% each), 12000-15000 word thesis (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B Int S (Hons), Dip Lang Studs (Hons).

Honours IV in Sanskrit comprises three components: 1. Old and Middle Indo-Aryan Language Study, involving elements from the Sanskrit 2900 and 3900 units and Sanskrit 3000 units arranged in consultation





with the department. Assessment will involve two three-hour examinations. 2. Research methodology in Indology and related disciplines. This will involve independent reading, discussion with research supervisor and attendance at seminars and lectures as arranged in consultation with the department. Assessment will involve two essays of approximately 3000 words. 3. A thesis of approximately 15000 words to be presented at the end of second semester on a research topic chosen in consultation with the department.

#### SANS4002

##### Sanskrit IV Honours B Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** SANS4001  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B Int S (Hons), Dip Lang Studs (Hons).

See SANS4001

#### SANS4003

##### Sanskrit IV Honours C Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** SANS4002  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B Int S (Hons), Dip Lang Studs (Hons).

See SANS4001

#### SANS4004

##### Sanskrit IV Honours D Arts

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** SANS4003  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Asian Stud)(Hons), B A (Hons), B Int S (Hons), Dip Lang Studs (Hons).

See SANS4001

#### SCEL2102

##### Science Elective 1 Science

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

#### SCEL2103

##### Science Elective 5 Science

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular

Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

#### SCEL2104

##### Science Elective 9 Science

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

#### SCEL2202

##### Science Elective 2 Science

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

#### SCEL2203

##### Science Elective 6 Science

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points



for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

#### SCEL2204

##### Science Elective 10 Science

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

#### SCEL2302

##### Science Elective 3 Science

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Classes:** As for associated 6cp Intermediate unit or by negotiation with School offering 6cp Intermediate unit **Prerequisites:** Relevant Junior units as for associated unit. **Assessment:** Proportional to associated unit as determined by coordinator. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form. Students other than faculty of science students should seek permission from their own faculty before attempting to enrol in SCEL units.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

#### SCEL2303

##### Science Elective 7 Science

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit

related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

#### SCEL2304

##### Science Elective 11 Science

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Classes:** As for associated 6cp unit or by negotiation with School offering 6cp Intermediate unit. **Prerequisites:** Relevant Junior units as for associated unit. **Assessment:** Proportional to associated unit as determined by coordinator. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form. Students other than faculty of science students should seek permission from their own faculty before attempting to enrol in SCEL units.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

#### SCEL2402

##### Science Elective 4 Science

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

#### SCEL2403

##### Science Elective 8 Science

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available

to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

### **SCEL2404**

#### **Science Elective 12**

##### **Science**

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

### **SCEL3102**

#### **Science Elective 13**

##### **Science**

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

### **SCEL3103**

#### **Science Elective 17**

##### **Science**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

### **SCEL3104**

#### **Science Elective 21**

##### **Science**

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

### **SCEL3202**

#### **Science Elective 14**

##### **Science**

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

### **SCEL3203**

#### **Science Elective 18**

##### **Science**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

### **SCEL3204**

#### **Science Elective 22**

##### **Science**

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

### SCEL3302

#### Science Elective 15 Science

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Prerequisites:** Relevant 4 or 6cp intermediate unit(s). **Assessment:** Proportional to associated unit as determined by coordinator. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form. Students other than faculty of science students should seek permission from their own faculty before attempting to enrol in SCEL units.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

### SCEL3303

#### Science Elective 19 Science

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

### SCEL3304

#### Science Elective 23 Science

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular

Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

### SCEL3402

#### Science Elective 16 Science

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

### SCEL3403

#### Science Elective 20 Science

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Faculty approval required. Students must complete a SCEL form.*

**Associated degrees:** B C S T, B I T, B Med Sc, B Psych, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Media Commun.

Science Elective units were created to assist students manage the transition to 6 cp units in 2006. A SCEL unit is used for students who need 2, 3 or 4 additional credit points to complete a Science major, a compulsory or pre-requisite Science unit of study or 144 credit points for a degree. The content and assessment of the SCEL unit must be decided in consultation with the academic coordinator of the unit related to the SCEL unit. A SCEL unit will only be approved where an existing alternative unit cannot be selected. SCEL units are available to students enrolled in combined Science degrees or degrees offered by the Faculty of Science.

### SCGN2951

#### Advanced Science Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### SCGN2952

#### Advanced Science Exchange

## Science

**Credit points:** 8 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### SCGN2953

#### Advanced Science Exchange Science

**Credit points:** 12 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### SCGN2954

#### Advanced Science Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### SCGN3001

#### Science Practical and Laboratory Study A Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Faculty permission required.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Molecular Biology & Genetics).

This unit of study is intended for exchange program + study abroad students studying at the University of Sydney.

### SCGN3002

#### Science Practical and Laboratory Study B Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Faculty permission required.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Molecular Biology & Genetics).

This unit of study is intended for exchange program + study abroad students studying at the University of Sydney.

### SCGN3003

#### Science Practical and Laboratory Study C Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Faculty permission required.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Molecular Biology & Genetics).

This unit of study is intended for exchange program + study abroad students studying at the University of Sydney.

### SCGN3951

#### Advanced Science Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### SCGN3952

#### Advanced Science Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### SCGN3953

#### Advanced Science Exchange Science

**Credit points:** 8 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### SCGN3954

#### Advanced Science Exchange Science

**Credit points:** 12 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### SCLG1001

#### Introduction to Sociology 1 Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Catriona Elder **Session:** Semester 1, Summer Early **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** one essay (40%), one 2 hour exam (40%) and other work as assigned by coordinator (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A, B S W, B Ec (Soc Sc), B Ec (Soc Sc), LL B, B Int S, B S W, Dip Soc Sc, UG Study Abroad Program, UG Summer/Winter School.

This unit introduces students to the study of sociology through an analysis of contemporary Australian society. Using a range of sociological concepts and theories, we will analyse society in the period known as 'modernity'. Students will be encouraged to analyse existing social phenomena through the prisms of gender, sexuality, ethnicity, class, multiculturalism and indigeneity.

*Textbooks*

Readings will be available at the University Copy Centre

**SCLG1002****Introduction to Sociology 2****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Catriona Elder **Session:** Semester 2, Winter Main **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** one essay (40%), one 2 hour exam (40%) and other work as assigned by coordinator (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A, B S W, B Ec (Soc Sc), B Int S, B S W, Dip Soc Sc, UG Study Abroad Program, UG Summer/Winter School.

Students will continue to be introduced to sociology through the analysis of contemporary society. Through a focus on the sociology of everyday life, we will explore the relationships between various social and cultural forms, institutional sites and the practices of everyday life. Topics such as fame and celebrity, fashion and consumption, globalization community and belonging will be explored.

**Textbooks**

Readings will be available at the University Copy Centre

**SCLG1801****Sociology Exchange****Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B Int S, Dip Soc Sc.

**SCLG2601****Sociological Theory****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Craig Browne **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2001, SCLG2520 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program.

In this unit of study we will examine the main strands of sociological thought and identify the key concepts, debates and issues in the development of sociological theory. It will focus on the writings of leading social theorists and sociologists, their contribution to the development of a distinctly sociological theory, and their continuing impact on current theoretical debates in sociology. Topics covered will include: the origins of sociology; industrialism; classical theorists; sociology of urban society; interactionism and everyday life; psychoanalysis; sociology of knowledge and culture; feminist challenges to sociological paradigms; postmodernity and the future of society. This unit is mandatory for Sociology majors.

**Textbooks**

Unit reader will be made available through the Copy Centre

**SCLG2602****Social Inquiry: Research Methods****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Salvatore Babones **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** Either SCLG1001 and SCLG1002 or SCWK2003 or SSC1003 **Prohibitions:** SCLG2002, SCLG2521 **Assessment:** 4500 words of written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program.

This unit of study introduces students to a range of qualitative and quantitative research methods in common usage throughout the social sciences. The course has both analytical and practical components. With regard to the former, students are introduced to the methodological issues in contemporary sociology and their impact on the research process. An emphasis will be placed on developing a critical ability to read sociological research, with an eye to the methodological adequacy of social research, the use of theory in the research process, the political and ethical issues that arise whilst

conducting research, and the classical and contemporary debates over interpretation and the production of knowledge. With regard to the latter component, students will undertake practical exercises in order to learn to appreciate and use a selection of research approaches, methods and techniques. This unit is mandatory for Sociology majors.

**Textbooks**

Unit reader will be available through the Copy Centre

**SCLG2603****Sociology of Health and Illness****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Fran Collyer **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2526 **Assessment:** one essay and one group exercise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B S W, Dip Arts, Dip Soc Sc, UG Study Abroad Program.

Students will be introduced to both past and current sociological perspectives of health and illness, including Parsonian, Marxist, Weberian, Feminist and Postmodern approaches. We will examine topics such as the social, unequal, structuring of illness; the construction of medical 'facts'; professional, corporate and state control over health care systems; medical controversies; iatrogenic illness; and medical technology.

**Textbooks**

Unit reader will be available through the Copy Centre

**SCLG2604****Social Inequality in Australia****Arts**

**Credit points:** 6 **Session:** Semester 1, Summer Late **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2010, SCLG2529 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program, UG Summer/Winter School.

This unit examines sociological approaches to social inequality. Questions about social inequality are integral to contemporary notions of equality, citizenship, human rights, social justice and emancipation. A central theme of the unit (and a central preoccupation of sociologists) is ways in which social relations of inequality are shaped, represented, experienced, negotiated and challenged in everyday life. Some important questions for this unit are: How do sociologists understand and explain patterns of inequality? What are the enabling and constraining factors shaping people's 'life chances'? How are social relations of inequality, experienced, challenged and disrupted? Is social inequality an inevitable condition of human existence?

**Textbooks**

Unit reader will be available through the Copy Centre

**SCLG2605****Social Justice Law and Society****Arts**

**Credit points:** 6 **Session:** Semester 1 **Classes:** one 2 hour lecture and 1 one hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2017, SCLG2536 **Assessment:** one 2500 word research paper (60%) and one 1800 word essay (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program.

This unit of study examines a range of approaches to social justice, including distributive and recognition or identity theories. We ask how one works out what a socially just society would look like, considering guiding principles such as desert, need, merit and equality of

resources, opportunity or capabilities. We then link these ideas with principles and practices of legal equality and human rights law and specific contemporary social justice topics such as racial, gender, environmental and international justice.

### SCLG2606

#### Media in Contemporary Society Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Annette Falahey **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2018, SCLG2537 **Assumed knowledge:** Ability to access internet and basic web browsing skills **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program.

This unit will examine key issues and debates within current sociological writings on media in contemporary society. The tutorial discussions focus on media, including radio, film, television, video, print, news, current affairs programmes and advertising, all of which are considered in relation to media audiences. We will consider the research literature on the sociology of media in order to investigate methods of carrying out media research, particularly of media audience research. The aim is to encourage students to develop an informed understanding of media, including their own engagement with media in contemporary society, and to explore computer based technology as an educational tool for studying media in contemporary society.

#### Textbooks

Unit reader will be available through the Copy Centre

### SCLG2607

#### Social Movements and Policy Making Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Annette Falahey **Session:** Semester 1 **Classes:** 2 hrs of lecture and 1 hr of tutorial **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2570 **Assessment:** one 2000 word essay, participation and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program.

Drawing on contemporary sociological analysis this unit critically explores participation, organization and outcomes of social movements. The unit explores the intersections between citizenship and democracy in relation to social movements and policy making. Moreover, the unit addresses links between societal and cultural arrangements and social movements for change. Students will have the opportunity to explore the theoretical ideas introduced in this unit by investigating a range of social movements, such as, anti-global movements, environmentalism and feminist movements.

#### Textbooks

Unit reader will be available through the Copy Centre

### SCLG2608

#### Social Construction of Difference Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Karl Maton **Session:** Semester 1, Winter Main **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2004, SCLG2523 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program, UG Summer/Winter School.

The focus of this unit of study is on the dynamics of the identification of 'difference' in society, including the processes of stigmatisation and demonisation of 'deviants'. The unit focuses on areas such as the debates surrounding the 'welfare underclass', unruly youth, refugees and asylum seekers, trans-gendered persons, the care of the mentally ill, etc. Significant theoretical debates will be addressed, including 'realism' vs. 'social construction', 'defining deviance down' (Moynihan;

Hendershott), the 'Broken Windows' thesis (Wilson and Kelling) and Jock Young's theory of 'Essentialising the Other'.

#### Textbooks

Unit reader will be available through the Copy Centre

### SCLG2609

#### Contemporary Cultural Issues Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Annette Falahey **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2501 **Assessment:** 2500 words of written work (60%) one 2 hour exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program.

This unit of study will examine key issues and debates within current sociological writings on culture. It will assess critically a range of cultural issues pertinent to structuralist, poststructuralist, deconstructionist as well as postmodern accounts of contemporary culture. An aim of this unit is to link concepts of culture to specific case studies, in order to facilitate the joining of theory with research. This aim will be achieved through addressing various issues, including analysis of cultural representations, popular culture, as well as the role of agency within cultural formations.

#### Textbooks

Unit reader will be available through the Copy Centre

### SCLG2610

#### Science, Technology and Social Change Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Melinda Cooper **Session:** Semester 1 **Classes:** 2 hrs of lecture and 1 hr of tutorial **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2504 **Assessment:** 2,500 words of written work (60%) and 2 hours of examination (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B S W, Dip Soc Sc, UG Study Abroad Program.

This unit examines a range of sociological theories and debates concerning science and technology. Students will investigate the two-way relationship between science/technology and society, ie., the social shaping of science and technology, and the impact of science and technology on society. Issues to be examined include the social production of science and technology, the science-technology relationship, the politics and economics of science and technology, science and technology in medicine, in reproduction, in the workplace, and the role of science and technology in environmentalism and the environmental movement.

#### Textbooks

to be advised

### SCLG2611

#### Comparative Sociology of Welfare States Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Gyu-Jin Hwang **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2509 **Assessment:** 4500 words of written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B S W, Dip Soc Sc, M A L P, UG Study Abroad Program.

Contemporary developments and debates concerning welfare in Australia are put into a new perspective when considered in comparison with welfare states throughout the world. In this unit of study, students will have the opportunity to compare Australian welfare arrangements and social policies with those in other industrialised countries. How do other countries conceptualise and make arrangements for people who are unemployed, or pregnant or sick, or old? What are the principles that underpin these arrangements and how can we account for the differences between countries? The unit

will focus on social policies concerned with health, employment and unemployment, work and family, disability, ageing and childhood. Students will develop comparative analyses with both Western industrialised welfare states and the emerging Asian welfare states. In addition to developing knowledge of particular social policies in particular countries, students will explore the theoretical frameworks that have underpinned comparative welfare state analysis. They will also have the opportunity to interrogate the dominant discourses that have informed social policy development including those concerning rights, citizenship, obligations, reciprocity and social capital.

*Textbooks*

Unit reader will be available through the Copy Centre

## SCLG2612

### Self and Society

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Robert van Krieken  
**Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2510  
**Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program.

The nature of human subjectivity has fascinated and drawn the attention of thinkers from many different fields. While the questions, who are we? how do we become individual? are often asked, the ways of answering these questions constantly change. In this unit, the discursive construction of the self will be examined in the light of the political, technological and social changes which constantly influence the meanings and histories of self, subjectivity and identity. The unit will explore questions such as whether there is a human 'nature' which precedes or exists beyond society; whether historical circumstances determine human emotional response; whether new forms of technology and modes of communication influence self-knowledge; whether consumerism and materialism commodify identity; whether the roles played in everyday life and the management of social interactions produce or conceal who we are. The unit begins with commonsensical views on identity and proceeds to deconstruct them.

*Textbooks*

Unit reader will be available through the Copy Centre

## SCLG2613

### Sociology of Childhood and Youth

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Amanda Elliot **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2522 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program.

This unit of study examines the main sociological approaches to childhood and youth in modern industrial societies, as well as the ways in which particular perspectives on childhood are central to all social theory. It will examine the debates surrounding the historical development of childhood, and the various approaches to the impact of state intervention and social policies on both the experiences of childhood and youth and the transition to adulthood. Specific topics discussed include; the social construction of child abuse, youth homelessness and youth criminality as social problems, the stolen generations, children and the law, the fertility decline, and the differentiation of childhood experience along lines of class, gender, race and ethnicity.

*Textbooks*

Unit reader will be available through the Copy Centre

## SCLG2615

### Law and Social Theory

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Robert van Krieken  
**Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per

week **Prerequisites:** SCLG1001 and SCLG1002 and (SCLG2601 or SCLG2001 or SCLG2520) **Prohibitions:** SCLG2535 **Assessment:** tutorial participation (10%), one 2500 word essay (60%), one 2000 word take-home exam (30%)  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B S W, Dip Soc Sc, M A L P, UG Study Abroad Program.

This unit provides a detailed understanding of how the work of a broad range of social theorists contributes to a specifically sociological understanding of legal ideas, institutions and practices. After beginning with classical sociology - Durkheim, Marx and Weber, the unit will then discuss the contributions of the Frankfurt School, Habermas, Foucault, Bourdieu, Luhmann, Elias, and Selznick, as well as the more recent perspectives of postmodern and feminist social theory.

## SCLG2616

### Global Transformations

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Salvatore Babones **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2560  
**Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%)  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program.

This unit examines contemporary processes of globalisation. It investigates the personal and technological networks that constitute transnational forms of social organisation, the hybrid identities that emerge from population movements across borders and cultural interchanges, the mobilities of travel and exchange that alter the spatial context of social relations. These key developments are explored in relation to migration, multiculturalism, travel, human rights and in terms of the effects of globally orientated institutions on collective identities, citizenship, civil society and democracy.

*Textbooks*

Unit reader will be available through the Copy Centre

## SCLG2618

### Violence, Imaginaries and Symbolic Power

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Craig Browne **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG2566 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program.

This unit examines the operation of symbolic power and diverse social manifestations of violence, from revolution through to eroticism. Of particular interest are social imaginaries and the way collective representations embody social creativity, legitimate social structures and inform projects of violent social reconstruction, including war, terrorism, nationalism and genocide. Social imaginaries are constitutive of nationalist visions of self-determining communities, capitalist wealth and social utopias. Different modes of critical analysis are introduced, like critical social theory, discourse analysis, and psychoanalysis.

*Textbooks*

Unit reader will be available through the Copy Centre

## SCLG2621

### Power, Politics and Society

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Karl Maton **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Assessment:** one 1500 word take-home exam,

one 3000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B S W, Dip Soc Sc, M A L P, UG Study Abroad Program.

This unit will examine the core theoretical perspectives in the sociology of power, political action and political structures (Weber, Michels, Lukes, Mills etc.) and the central empirical issues in political sociology. These issues include state formation and governance, political ideas and ideologies in a "knowledge society", political parties, social movements and interest groups, globalisation, modernity and post-modern politics. It will engage with these concerns in relation to a selection of contemporary Australian and global issues in political sociology.

## SCLG2622

### Sociology of Knowledge

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Fran Collyer **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Assessment:** one research essay (60%), group work and class participation (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B S W, Dip Soc Sc, UG Study Abroad Program.

This unit explores the formation, transmission and ownership of knowledge through several historical epochs. It highlights the way knowledge, in both oral and written form, reflects and expresses social structures and social processes. Students will be introduced to a range of theories about the relationship between knowledge and society, and to illustrative case studies (e.g. the patenting of diagnostic tests, the funding of research institutes and 'Think Tanks', and the buying and selling of 'expert knowledge').

#### Textbooks

Unit reader will be available through the Copy Centre

## SCLG2623

### Sociology of Terror

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Michael Humphrey **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Assessment:** one 1500 workbook, one 3000 word essay and class participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B S W, Dip Soc Sc, UG Study Abroad Program.

This unit examines the relationship between terrorism and globalization. Explores themes of massacre, ethnic cleansing, and terrorism in the context of social uncertainty and crises in nation states. Examines the production of victims and the process of cultural symbolization of the body and the new social and political imaginaries emerging. Examines the uses of victimhood in trying to escape terror and achieve reconciliation. Draws on the work of Scarry, Kristeva, Appadurai, Nordstrom, Foucault, Zulaika and Taussig.

#### Textbooks

Unit reader will be available through the Copy Centre

## SCLG2624

### Human Rights and Social Protest

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Michael Humphrey **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Assessment:** one 1500 workbook, one 3000 word essay and class participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B S W, Dip Soc Sc, UG Study Abroad Program.

Explores the rise of human rights discourse and its relationship to moral and religious discourses on suffering and social justice across

cultures. Focuses on victims of human rights abuse, the formation of communities of suffering and social movements around victimhood. Examines 'rights talk' as a global discourse and language of protest against social injustice and claims. Examines global human rights machinery and the ethics of humanitarian intervention. Cases studies from Latin America, Africa and the Middle East.

#### Textbooks

Unit reader will be available through the Copy Centre

## SCLG2625

### Sociology of Friendship

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Jennifer Wilkinson **Session:** Semester 1 **Classes:** One 1 hour lecture and one 2 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Assessment:** 1 x tutorial presentation, 500 words (equiv.); 1 x short essay, 1000 words; and 1 x research essay, 3000 words. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B S W, Dip Soc Sc, UG Study Abroad Program.

This unit examines the sociology of friendship, its place within theories of late modern society and its significance for the individual. Students will gain a foundation in key debates about friendship across the social sciences and key theories in the field, both classical and contemporary. It explores the relevance of friendship to other sociological categories, including the public sphere, the family, community and the self. Students will learn to apply this knowledge to an understanding of society and social change.

#### Textbooks

readings will be available at the University Copy Centre

## SCLG2634

### Crime, Punishment and Society

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Rebecca Scott Bray **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** Two of: SCLG1001, SCLG1002, SLSS1001, SLSS1002 and LAWS1100. **Prohibitions:** SCLG2566 **Assessment:** one 3000 word essay, class participation and one 1500 word written exercise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program.

The unit introduces students to the analysis of crime, detection and punishment in their historical, social, political and cultural contexts. It discusses the major theoretical perspectives on the explanation of crime as well as the role and functions of punishment. It examines a range of issues in understanding crime and criminal justice, including the cultural life of crime, the history and sociology of criminal detection practices, forensic knowledges, policing and prisons, and also considers specific aspects of medico-legal criminology.

#### Textbooks

Unit reader will be available through the Copy Centre

## SCLG2805

### Sociology Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Soc Sc.

## SCLG2806

### Sociology Exchange

#### Arts

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Soc Sc.



**SCLG2809****Sociology Exchange  
Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Soc Sc.

**SCLG2810****Sociology Exchange  
Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Soc Sc.

**SCLG2811****Sociology Exchange  
Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Soc Sc.

**SCLG2812****Sociology Exchange  
Arts**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Soc Sc.

**SCLG3601****Contemporary Sociological Theory  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Melinda Cooper **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour seminar per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG3002 **Assessment:** 2500 words of written work (60%) and one 2 hour exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program.

This unit provides a detailed introduction to key social theorists whose ideas are being used extensively in contemporary sociological theory and research. These theorists include: Irving Goffman, Michel Foucault and Pierre Bourdieu. A particular focus is on approaches to human action in its various structural and cultural contexts, the possibilities and limits of human agency, and questions of social change.

*Textbooks*

Unit reader will be available through the Copy Centre

**SCLG3602****Empirical Sociological Methods  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Fran Collyer **Session:** Semester 2 **Classes:** one 3 hour seminar **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCLG3003 **Assessment:** interview exercise, class participation and one written research proposal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Ec (Soc Sc), B S W, Dip Soc Sc, UG Study Abroad Program.

This unit addresses the political, ethical and practical problems that may arise during the process of conducting research. It will also examine the social and logical links between theory, method, data and analysis. In the seminars we will critically examine the work of other researchers to identify the strengths and weaknesses of their approaches. For assessment, students will select a topic of their own choosing and develop a theoretically informed research proposal. This unit assumes a basic knowledge of social research methods.

*Textbooks*

Unit reader will be available through the Copy Centre

**SCLG4011****Sociology Honours A  
Arts**

**Credit points:** 12 **Teacher/Coordinator:** Dr Amanda Elliot **Session:** Semester 1, Semester 2 **Prerequisites:** Credit average in 48 credit points of Senior level Sociology including SCLG3602 **Assessment:** All of the major components of the Honours year will be assessed. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), Dip Soc Sc (Hons).

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable).

**SCLG4012****Sociology Honours B  
Arts**

**Credit points:** 12 **Teacher/Coordinator:** Dr Karl Maton **Session:** Semester 1, Semester 2 **Corequisites:** SCLG4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), Dip Soc Sc (Hons).

Refer to SCLG4011

**SCLG4013****Sociology Honours C  
Arts**

**Credit points:** 12 **Teacher/Coordinator:** Dr Amanda Elliot **Session:** Semester 1, Semester 2 **Corequisites:** SCLG4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), Dip Soc Sc (Hons).

Refer to SCLG4011

**SCLG4014****Sociology Honours D  
Arts**

**Credit points:** 12 **Teacher/Coordinator:** Dr Amanda Elliot **Session:** Semester 1, Semester 2 **Corequisites:** SCLG4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Ec (Soc Sc)(Hons), Dip Soc Sc (Hons).

Refer to SCLG4011

**SCPL2601****Australian Social Policy  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Amanda Elliot **Session:** Semester 1 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCPL3001 **Assessment:** one 1500 word essay (30%), one 1000 word tutorial paper and presentation (30%) and one 2 hour exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B S W, Dip Soc Sc, UG Study Abroad Program.

In this unit of study Australian social policy is explored: the legal and administrative framework; relationships between family and the state; employment, unemployment, unpaid work and welfare; the public/private mix; aged care policies, the culture of welfare state

provision, indigenous policies, migration, multiculturalism and the formulation and delivery of social welfare services in Australia.

*Textbooks*

Reader available via the University Copy Centre

## SCPL2602

### Contesting Social Policies Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Gyu-Jin Hwang **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SCLG1001 and SCLG1002 **Prohibitions:** SCPL3002 **Assessment:** one 2000 word essay and one 2 hour exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B S W, Dip Soc Sc, UG Study Abroad Program.

The focus of this unit of study is on the concepts and principles underpinning the allocation of welfare, in the context of policy-making in Australia's complex society. Current debates on principles of allocation will be addressed, such as debates about social justice, welfare rights and social and economic needs. Australia's future policy directions are considered in relation to the parameters of international models of welfare.

*Textbooks*

readings will be available at the University Copy Centre

## SCPL2603

### Development and Welfare in East Asia Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Gyu-Jin Hwang **Session:** Semester 1 **Classes:** 6000 words of written work **Prerequisites:** SCLG1001 and SCLG1002 **Assessment:** 6000 words of written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B S W, Dip Soc Sc, UG Study Abroad Program.

This unit explores social development and its transformation in East Asia by introducing key concepts and ideas associated with them. It then tests the universality of theories about social development by making comparisons within a specific country context as well as between countries in order to provide a wide range of possible ways of looking at more than one situation separated by time, space, and/or policy issue. It takes a state-market-society nexus as an organising theme and examines the various roles the state, market and civil society play in social development.

*Textbooks*

readings will be available at the University Copy Centre

## SCTP1831

### Science Talented Student Project Science

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit is available to students in the Talented Student Program.

## SCTP1832

### Science Talented Student Project Science

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit is available to students in the Talented Student Program.

## SCTP1833

### Science Talented Student Project Science

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit is available to students in the Talented Student Program.

## SCTP1834

### Science Talented Student Project Science

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This unit is available to students in the Talented Student Program.

## SCTP1835

### Science Talented Student Project Science

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This unit is available to students in the Talented Student Program.

## SCTP1841

### Science Talented Student Project Science

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit is available to students in the Talented Student Program.

## SCTP1842

### Science Talented Student Project Science

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit is available to students in the Talented Student Program.

## SCTP1843

### Science Talented Student Project Science

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit is available to students in the Talented Student Program.

## SCTP1861

### Science Talented Student Project Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit is available to students in the Talented Student Program.

## SCTP1862

### Science Talented Student Project





*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This unit is available to students in the Talented Students Program.

### SCTP3841

#### Science Talented Student Project Science

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit is available to students in the Talented Students Program.

### SCTP3842

#### Science Talented Student Project Science

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit is available to students in the Talented Students Program.

### SCTP3843

#### Science Talented Student Project Science

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit is available to students in the Talented Students Program.

### SCTP3861

#### Science Talented Student Project Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit is available to students in the Talented Students Program.

### SCTP3862

#### Science Talented Student Project Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit is available to students in the Talented Students Program.

### SCTP3863

#### Science Talented Student Project Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit is available to students in the Talented Students Program.

### SCTP3864

#### Science Talented Student Project

### Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This unit is available to students in the Talented Students Program.

### SCTP3865

#### Science Talented Student Project Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), UG Study Abroad Program.

This unit is available to students in the Talented Students Program.

### SCTP3881

#### Science Talented Student Project Science

**Credit points:** 8 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit is available to students in the Talented Students Program.

### SCTP3882

#### Science Talented Student Project Science

**Credit points:** 8 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit is available to students in the Talented Students Program.

### SCTP3883

#### Science Talented Student Project Science

**Credit points:** 8 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Environmental), B Sc (Molecular Biology & Genetics).

This unit is available to students in the Talented Students Program.

### SCWK2004

#### Psychology for Social Work 201 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Ms Agi O'Hara **Session:** Semester 1 **Classes:** 2 lectures plus 1 tutorial/week **Prerequisites:** 48 junior credit points **Assessment:** one 1000-1500 word tutorial process diary, one 2 hour exam, online tutorial participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is only available to students enrolled in the Bachelor of Social Work and combined Bachelor of Arts/Bachelor of Social Work degrees.*

**Associated degrees:** B A, B S W, B S W, UG Study Abroad Program.

This unit of study focuses on theories and research in psychology that have most relevance to the practice of social work. Areas covered will be (i) Counselling Psychology, critically examining the theoretical foundations of counselling processes; (ii) Human Development, indicating the main patterns of development.

### SCWK2005

#### Psychology for Social Work 202 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Ms Agi O'Hara **Session:** Semester 2 **Classes:** 2 lectures plus 1 tutorial/week **Prerequisites:** 48 junior credit points.

**Assessment:** one 1000-1500 word tutorial process diary, one 2 hour exam, online tutorial participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is only available to students enrolled in the Bachelor of Social Work and combined Bachelor of Arts/Bachelor of Social Work degrees.*

**Associated degrees:** B A, B S W, B S W, UG Study Abroad Program.

The unit of study focuses on psychological theories and research associated with mental health and several contemporary issues of particular relevance to the practice of social work. Strategies are introduced to assist in an understanding of the complex factors involved in experiences of child abuse, domestic violence, psychosocial aspects of HIV/AIDS, suicide awareness and prevention, drug and alcohol addiction, gambling, living with mental illness, and grief.

## SCWK2006

### Research Skills for Social Work Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Ms Margot Rawsthorne **Session:** Semester 2 **Classes:** 1 x 2 hr lecture weekly; 1 x 1 hr tutorial weekly. **Prerequisites:** 48 junior credit points **Prohibitions:** SCLG2602 **Assessment:** Library search exercise ((25%); presentation and 1000 wd essay (30%); essay (45%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S W, UG Study Abroad Program.

Social workers are increasingly required to understand and communicate the research base of their practice, and to become practitioner-researchers in their own right. This unit aims to help students develop an understanding of the ways social workers use research in different practice contexts: assessing community needs, formulating policies, developing new services, evaluating programs, enhancing social work practice, and developing theory. Students are introduced to quantitative and qualitative approaches and methods in social work research, in the context of specific practice fields including mental health, domestic violence, community development, and policy advocacy.

## SCWK3005

### Field Education 1 Education and Social Work

**Credit points:** 24 **Teacher/Coordinator:** Professor Barbara Fawcett **Session:** Semester 2 **Classes:** 2 hours/fortnight **Prerequisites:** SCWK3006, SCWK3007, SCWK3008 **Prohibitions:** SCWK3009, SCWK3010 **Assessment:** Pass/Fail **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B S W.

This unit is a compulsory, full time field education practicum of 60 days (Tuesday to Friday). In negotiation with the field educator, students produce a learning contract that sets out what they hope to learn, how this learning will happen and how, with their field educator, they will monitor and evaluate their learning. In addition, students attend fortnightly placement classes and peer support and accountability groups. These provide a forum in which to explore issues concerning the integration of practice and theory, as well as opportunities for support and consultation with other students and social work staff. Written assignments and oral presentations allow students to demonstrate their placement learning.

## SCWK3006

### Issue Based Learning Unit 1 Education and Social Work

**Credit points:** 8 **Teacher/Coordinator:** Dr Margot Rawsthorne **Session:** Semester 1 **Classes:** 4 hours/week **Prerequisites:** 96 Credit points to include SCPL2601; KOCR2600; SCLG2602 or SCWK2006; Either SCWK2004 and SCWK2005 or 12 intermediate Psychology credit points. **Corequisites:** SCWK3007, SCWK3008 **Assessment:** Essay (40%); group project (40%); presentation (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S W, UG Study Abroad Program.

The title and content of the unit will be selected from the following: Illness, inequality and intervention; Social justice, social citizenship and social work; Caring and citizenship; the case of disability; Families,

children and young people; Drugs and alcohol; the social work response.

## SCWK3007

### Issue Based Learning Unit 2 Education and Social Work

**Credit points:** 8 **Teacher/Coordinator:** Dr Sue Goodwin **Session:** Semester 1 **Classes:** 4 hours/week. **Prerequisites:** 96 Credit points to include SCPL2601; KOCR2600; SCLG2602 or SCWK2006; Either SCWK2004 and SCWK2005 or 12 intermediate Psychology credit points. **Corequisites:** SCWK3006, SCWK3008 **Assessment:** In-class exam (35%), tutorial presentation (25%), essay (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S W, UG Study Abroad Program.

The title and content of the unit will be selected from the following: Illness, inequality and intervention; Social justice, social citizenship and social work; Caring and citizenship: the case of disability; Families, children and young people; Drugs and alcohol; the social work response.

## SCWK3008

### Professional Practice Education and Social Work

**Credit points:** 8 **Teacher/Coordinator:** Ms Denise Lynch **Session:** Semester 1 **Classes:** 4 hours/week. **Prerequisites:** 96 Credit points to include SCPL2601; KOCR2600; SCLG2602 or SCWK2006; Either SCWK2004 and SCWK2005 or 12 intermediate Psychology credit points. **Corequisites:** SCWK3006, SCWK3007 **Assessment:** Assessment plan (15%), assessment report (35%), take home exam (30%), reflective journal (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S W, UG Study Abroad Program.

This unit of study addresses the theory-practice relationship and provides students with opportunities to engage with reflexive practice. It provides an introduction to the diversity of the professional practice of social work and aims to develop the capability of students to practise generic skills in social work practice and policy. There is an emphasis on understanding social work values and the fundamentals of ethical practice. Students are encouraged to recognise and build upon skills and knowledge they already have, and to develop their capabilities for acquiring further knowledge and skills.

## SCWK3009

### Social Work Preliminary Honours Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Ruth Phillips **Session:** Semester 2 **Classes:** 1x 3 hr seminar or 12 wks **Prerequisites:** SCWK3006, SCWK3007 and SCWK3008 **Corequisites:** SCWK3010 **Prohibitions:** SCWK3005 **Assessment:** Essay (25%); Literature review (35%); Research proposal (25%); Group presentation (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B S W, UG Study Abroad Program.

This unit assists students undertaking the Honours program in Social Work to further develop understanding of the role that research plays in social work practice and to develop knowledge, understanding and skills to both use and undertake research. As it is taken concurrently with the first field education placement, students apply their learning to the context of their social work field placement. They identify a research topic relevant to their placement context, conduct a literature review, explore ethical issues and develop a research proposal. Policies, ethical issues and critical debates in social work research will also be examined,

## SCWK3010

### Field Education 1 Honours Education and Social Work

**Credit points:** 18 **Teacher/Coordinator:** Ms Ros Giles **Session:** Semester 2 **Classes:** 2 hrs/fortnight **Prerequisites:** SCWK3006, SCWK3007 and SCWK3008 **Corequisites:** SCWK3009 **Prohibitions:** SCWK3005 **Assessment:** Pass/Fail **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B S W, UG Study Abroad Program.

This unit is a compulsory, full time field education practicum of 60 days (Tuesday to Friday). In negotiation with the field educator, students produce a learning contract that sets out what they hope to learn, how this learning will happen and how they will monitor and evaluate their learning. In addition, students attend fortnightly placement classes and peer support and accountability groups. These provide a forum in which to explore issues concerning the integration of practice and theory, approaches to investigating one's practice, as well as opportunities for support and consultation with other students and Social Work staff. Written assignments and oral presentations allow students to demonstrate their placement learning.

### SCWK4002 Integrative Studies 402 Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Zita Weber **Session:** Semester 2b **Classes:** 12 hours/week **Prerequisites:** SCWK4003; SCWK4005 **Corequisites:** SCWK4004, SCWK4006 **Assessment:** Journal article (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S W.

This is the final unit of study in the Bachelor of Social Work program and is of four weeks' duration. Through processes of critical reflection, students have an opportunity to look back on and consolidate knowledge and skills developed over the four years of the Bachelor of Social Work degree.

### SCWK4003 Issue Based Learning Unit 3 Education and Social Work

**Credit points:** 9 **Teacher/Coordinator:** Dr Lesley Laing **Session:** Semester 1a **Classes:** 12 hours/week (seminars and lectures) **Prerequisites:** SCWK3005; SCWK3006; SCWK3007; SCWK3008 **Assessment:** In class essay (15%), group development and presentation of a research proposal (35%); class participation statement (10%); essay (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S W.

This unit is the third of a sequence of four Issue Based Learning units. It is of five weeks duration and is intended to develop further students' capabilities in the transfer of knowledge and independent work. It builds on the knowledge and skills gained in Field Education I and includes preparation for Field Education IIA & IIB.

### SCWK4004 Issue Based Learning Unit 4 Education and Social Work

**Credit points:** 9 **Teacher/Coordinator:** Dr Lindsey Napier **Session:** Semester 2a **Classes:** 12 hours/week (seminars and lectures) **Prerequisites:** SCWK4003; SCWK4005 **Corequisites:** SCWK4002, SCWK4006 **Assessment:** Group project and presentation (40%), essay (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S W.

This unit is the fourth of a sequence of four Issue Based Learning units. It is of five weeks duration and is intended to develop further students' capabilities in the transfer of knowledge and independent work. It builds on the knowledge and includes skills gained in Field Education IIA & IIB.

### SCWK4005 Field Education 2A Education and Social Work

**Credit points:** 15 **Teacher/Coordinator:** Dr Fran Waugh **Session:** Semester 1b **Classes:** 2 hours/fortnight **Prerequisites:** SCWK4003 **Assessment:** Pass/Fail **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B S W.

This is the first part of a full time field education practicum of 80 days. In negotiation with the field educator, students produce a learning contract that sets out what they hope to learn, how this learning will happen, and how, with their field educator, they will monitor and

evaluate their learning. In addition, students attend fortnightly placement classes and peer support and accountability groups. These provide a forum in which to explore issues concerning the integration of practice and theory, as well as opportunities for support and consultation with other students and social work staff. Written assignments and oral presentations allow students to demonstrate their placement learning. Those students on placement outside the Sydney metropolitan area participate in weekly online classes and make a presentation at the end of placement.

### SCWK4006 Field Education 2B Education and Social Work

**Credit points:** 9 **Teacher/Coordinator:** Dr Fran Waugh **Session:** Semester 2a **Classes:** 2 hours/fortnight **Prerequisites:** SCWK4005 **Prohibitions:** SCWK4007, SCWK4008 **Assessment:** Pass/Fail **Campus:** Camperdown/Darlington **Mode of delivery:** Professional Practice

**Associated degrees:** B S W.

This is the second part of a field education practicum of 80 days.

### SCWK4007 Field Education 2B Honours Education and Social Work

**Credit points:** 3 **Teacher/Coordinator:** Dr Fran Waugh **Session:** Semester 2 **Classes:** 2 hrs/fortnight **Prerequisites:** SCWK3009, SCWK3010, SCWK4003 and SCWK4005 **Corequisites:** SCWK4002 and SCWK4004 **Prohibitions:** SCWK4006 **Assessment:** Pass/Fail **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B S W, UG Study Abroad Program.

This is the second part of a compulsory, full time field education practicum of 80 days (Monday to Friday). In negotiation with the field educator, student produce a learning contract that sets out what they hope to learn, how this learning will happen and how they will monitor and evaluate their learning. In addition students attend fortnightly placement classes and peer support and accountability groups.

### SCWK4008 Social Work Research Dissertation Education and Social Work

**Credit points:** 6 **Teacher/Coordinator:** Dr Ruth Phillips **Session:** Semester 2 **Classes:** 4 x 3 hrs seminar groups; 24 hrs participation in a social work research project. **Prerequisites:** SCWK3009, SCWK3010, SCWK4003 and SCWK4005 **Corequisites:** SCWK4002, SCWK4004 and SCWK4007 **Prohibitions:** SCWK4006 **Assessment:** Research report - 5000 wds; seminar presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B S W, UG Study Abroad Program.

In this unit students participate in a social work research project under the supervision of an academic staff member. Students will become familiar with the process of developing a research proposal and obtaining ethical approval for a study. Students will apply data collection processes as appropriate to the project and undertake analysis of this data. They develop the skills required to present the findings of their research project both orally and through a research dissertation. Ethical issues and critical debates in social work research will also be examined.

### SING4052 Topics in Physiotherapy Management Health Sciences

**Credit points:** 3 **Session:** Semester 1 **Classes:** SIM: block mode **Assessment:** Presentation (50%), written report (50%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (Phy).

This unit of study module provides the student with knowledge and skills in quality management and health promotion appropriate for physiotherapy practice. It consists of two discrete components related to the delivery of physiotherapy services: the first component focuses on quality management and the second on health promotion. The

quality management component aims to explore the principles and procedures of quality management specifically in relation to evaluation of patient outcomes. Prior knowledge is built up in such a way as to ensure that the student will be able to evaluate physiotherapy services using valid and reliable criteria. This component provides the student with the opportunity to identify areas in which evaluation can be used to direct physiotherapy intervention; to discuss practical aspects as well as philosophical issues related to measurement of outcome; and to investigate the variety of measures used to assess clinical outcomes. The student will also explore these issues in the student's own workplace and develop a project proposal. Factors considered in determining the effectiveness of a physiotherapy service will include the direct and indirect costs of the service and the benefits gained by both individuals and the community. The health promotion component will provide the student with an overview of the principles and practice of health promotion which is explored within a community based framework. These principles relate to the skills a physiotherapist can offer in delivering a well planned health promotion project for a specific community group such as ageing and or working populations. The student will critique a health promotion program that has been implemented in the student's community. This will provide a discussion with the other students. In analysing the health promotion program the student will develop critical skills giving due consideration to the program's appropriateness for the specific group being targeted and the health problem the program is attempting to prevent.

#### **SING4054**

##### **Community Based Programs Development Health Sciences**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: block mode **Assessment:** Presentation and writeup (30%), written proposal (70%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (OT).

This unit provides students with the opportunity to understand the issues of service provision within a community context and to explore a range of strategies which underpin the development of community based programs relevant to the needs of the Singapore population. Students will have the opportunity to attend and participate in workshops which focus on microskills appropriate for use in community occupational therapy.

#### **SING4055**

##### **Managing Occupational Therapy Services Health Sciences**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Presentation and writeup (30%), written proposal (70%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (OT).

This unit provides students with the opportunity to review current managerial theories and practice which can be applied to the planning, organising, staffing, leading and continuous quality improvement of occupational therapy services in the Singapore context. Emphasis will be placed on the use of evidence-based health care, and the use of an evidence-based approach to making management decisions at micro and macro levels and in related clinical service delivery.

#### **SING4056**

##### **Cognitive & Perceptual Components of OT Health Sciences**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** 3000 word written assignment (100%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (OT).

This unit will extend students' knowledge and skills relative to occupational therapy management of children and adults who have neurological conditions which affect their occupational performance. The emphasis will be on the assessment and treatment of cognitive/perceptual disorders that interfere with the performance of everyday tasks and routines.

#### **SING4057**

##### **Advanced Communication Techniques in OT Health Sciences**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Reflective writing exercise (30%), 2000 word written assignment (70%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (OT).

This unit introduces students to a range of advanced communication techniques for the development of self, clients and significant others. Identification of own and others' learning styles, conflict resolution, negotiation, assertive, neurolinguistic and summarising techniques will be addressed, with specific reference to their application in cognitive, intra- and interpersonal components of performance.

#### **SING4059**

##### **Computer Communication in MRT Health Sciences**

**Credit points:** 3 **Session:** Semester 2 **Classes:** SIM: Block mode **Assessment:** Class test (20%), assignment (40%), exam (40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (MRT).

This module provides students with an understanding of the design implications of digital image management and the communication systems needed to facilitate patient care. Concepts involving Picture Archival and Communication Systems (PACS), DICOM, Radiology Information System (RIS), tele-radiology and record and verify systems will be discussed. Guidelines concerning information security and confidentiality will be discussed. The impact of image matrix size on image quality, information storage, data transfer rates, display capability and the need for storage compression will be examined. This module also provides the student with the opportunity to examine a range of computer methods to efficiently utilise staff time and resources within a medical radiation department. Within this module special attention will be given to either diagnostic radiography or radiation therapy as appropriate to the student.

#### **SING4061**

##### **The Quality Perspective Applied to MRT Health Sciences**

**Credit points:** 3 **Session:** Semester 2 **Classes:** SIM: Block mode **Assessment:** Presentation (25%), two written assignments (35% and 40%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (MRT).

This unit of study introduces the experienced radiographer and therapist to many of the current aspects of the quality perspective. It gives a foundation in the development of the quality perspective and its application to MRT and encourages the experienced radiographer and therapist to examine the management of quality in their work place. The application of quality monitoring to important routine tasks in the MRT environment is explored.

#### **SING4062**

##### **Health Care Ethics Health Sciences**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Group presentation work (20%), exam (80%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (MRT), B Hlth Sc (Nursing), B Hlth Sc (OT), B Hlth Sc (Phy).

In this module students will be introduced to some major ethical theories and consider ethical issues which are central to the delivery of good health care. Students will be expected to contribute to the case study discussions, and to reflect on the ethical nature of health care practice in general, and their own practice in particular.

#### **SING4063**

##### **Legal Perspectives and Health Care**



**Health Sciences**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode  
**Assessment:** Court report (20%), exam (80%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (MRT), B Hlth Sc (Nursing), B Hlth Sc (OT), B Hlth Sc (Phy).

The aim of this module is to provide an overview of basic principles of law relating to health care. It involves an examination of the structure and process of law and the legal system, together with a discussion of case law and legislation relevant to health care. It is becoming increasingly important for health professionals to know and understand the legal context within which they live and work, the rights of health consumers and the obligations of health care providers.

**SING4064****Patient/Client Education  
Health Sciences**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode  
**Assessment:** Pre-module work (15%), assignment (85%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (MRT), B Hlth Sc (Nursing), B Hlth Sc (Phy).

The primary focus of this unit is to nurture the confidence and skills that will motivate health professionals to undertake teaching in their work environment. Thus the emphasis of the unit is on the teacher as planner and teacher as facilitator of learning. Embedded throughout are the three themes of thinking like a teacher, the learner as active participant and learning as change. Participants are prompted to explore some of the microskills of teaching and in so doing also come to recognise what is 'personally distinctive' about their own style of teaching.

**SING4065****Managing Resources in Health Services  
Health Sciences**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode  
**Assessment:** Assignment (25%), exam (75%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (MRT), B Hlth Sc (Nursing), B Hlth Sc (OT), B Hlth Sc (Phy).

This unit has been designed to provide students with an appreciation of their ability, as health professionals, to influence the costs of healthcare. Topics include health economics, accounting, budgeting, goal setting, time management and decision making. The implications of casemix and other funding systems for patients and health professionals will also be studied.

**SING4066****Pathophysiology A  
Health Sciences**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode  
**Assessment:** Worksheet (15%), exam (85%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (MRT), B Hlth Sc (Nursing), B Hlth Sc (OT), B Hlth Sc (Phy).

Pathophysiology A examines the pathophysiological processes underlying certain disease conditions. A body systems approach is used, and the major systems covered in this module are the immune system, the cardiovascular system, the renal system and the pulmonary system. A case study approach is used to illustrate the features of disease, the signs and symptoms, risk factors and causative factors. The pathophysiological processes underlying the breakdown of the functional integrity of the system and anomalies that contribute to the disease condition are emphasised. Relevant clinical tests for the diagnosis and monitoring of disease and the treatment rationales are also presented. The relationship between clinical pathways and basic pathophysiological processes will be considered. Where appropriate, the normal structure and functions of the relevant body system are covered.

**SING4067****Pathophysiology B  
Health Sciences**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode  
**Assessment:** Worksheet (15%), exam (85%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (MRT), B Hlth Sc (Nursing), B Hlth Sc (OT), B Hlth Sc (Phy).

Pathophysiology B complements SING4066 Pathophysiology A by further examining the pathophysiological processes underlying disease conditions. In this module the major systems covered are the immune system, the endocrine system, the digestive system and the nervous system. Neoplasia is also a major concept covered within this module. Case studies are used to illustrate the features of disease, the signs and symptoms, risk factors and causative factors. The underlying pathophysiological processes are emphasised. Relevant clinical tests for the diagnosis and monitoring of disease and the treatment rationales are also presented. The relationship between clinical pathways and basic pathophysiological processes will be considered. Where appropriate, the normal structure and functions of the relevant body system are covered.

**SING4068****Research Methods: Design  
Health Sciences**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode  
**Assessment:** Exam (80%), research proposal (20%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (MRT), B Hlth Sc (Nursing).

This unit introduces students to the concept of scientific research by defining the key approaches, methods and designs used in carrying out research, particularly within the health professions and health care settings. It incorporates an outline of the research process which will guide students through the completion of a simple descriptive study. Students will develop basic skills related to instrument design, data collection and data analysis. SPSS software will be used to facilitate achievement of the objectives.

**SING4069****Research Methods: Analysis  
Health Sciences**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode  
**Assessment:** Research report (20%), exam (80%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (MRT), B Hlth Sc (Nursing).

The unit examines issues related to research design and how best to analyse and interpret data collected using a variety of experimental and non-experimental designs. Students are given the opportunity to apply the various skills in the conduct of a clinical-focused group research project.

**SING4070****Sociology of Work and Organisations  
Health Sciences**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode  
**Assessment:** Mini-poster (30%), exam (70%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (MRT), B Hlth Sc (Nursing), B Hlth Sc (OT), B Hlth Sc (Phy).

This unit of study examines sociological perspectives relating to work and organisations. It includes the study of the nature of work and occupational structures in modern societies, occupational choice and professionalism. Also included is an examination of the structural aspects of organisations with an emphasis on the hospital as the major work place of health care professionals.

**SING4071****Patient-Practitioner Relationships**

**Health Sciences**

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode  
**Assessment:** Class presentation (20%), exam (80%) **Campus:** Cumberland  
**Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (MRT), B Hlth Sc (Nursing), B Hlth Sc (Phy).

This unit of study examines sociological perspectives relating to the patient-practitioner relationship. It includes the study of the generic professional-client model, the sick role and other models of patient-practitioner relationships, and the key interpersonal aspects of the work of health care professionals. Consideration will be given to the nature of health care as emotion work; aspects of sociology of the body and the stigma associated with illness, disease and disability; and the skills required to facilitate communication and interaction in the patient-practitioner relationship.

**SING4072**
**Nursing Knowledge and Health Care**  
**Health Sciences**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode  
**Assessment:** Exam (50%), assignment (50%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (Nursing).

This unit will provide the student with an overview of the way in which society provides health care for its members. It will explore definitions of health and factors contributing to health and illness. The unit will examine the development and operation of the Singapore health care system, focusing particularly on the role of nursing. The unit will examine the development of nursing knowledge and the way research provides evidence for practice in health care and nursing.

**SING4075**
**Integrated Diagnosis and Treatment**  
**Health Sciences**

**Credit points:** 3 **Session:** Semester 1 **Classes:** SIM: Block mode  
**Assessment:** Presentation (25%), written assignment (25%), exam (50%)  
**Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (MRT).

This unit of study will allow students to gain an understanding of the interrelationship of imaging and treatment paradigms for selected regions of the body and disease processes. The regions addressed will be selected from the central nervous system, the gastrointestinal tract, skeletal system, thyroid, breast, chest, pelvis and lymphatics. The processes discussed will be specific to a region.

**SING4076**
**Radiographic Interpretation of Pathology**  
**Health Sciences**

**Credit points:** 3 **Session:** Semester 1 **Classes:** SIM: Block mode  
**Assessment:** Presentation (20%), two written assignments (40% ea) **Campus:** Cumberland **Mode of delivery:** Block Mode

*Note: For diagnostic radiography students only*

**Associated degrees:** B Hlth Sc (MRT).

This module will introduce the diagnostic radiographer to the radiographic interpretation of disease processes such as neoplasms, abnormalities of the respiratory system and central nervous system, emergency trauma radiology and congenital disorders, malformations and diseases in the paediatric patient.

**SING4077**
**Imaging Applications in RT**  
**Health Sciences**

**Credit points:** 3 **Session:** Semester 1 **Classes:** SIM: Block mode  
**Assessment:** Group presentation (20%), two written assignments (40% ea)  
**Campus:** Cumberland **Mode of delivery:** Block Mode

*Note: For radiation therapy students only*

**Associated degrees:** B Hlth Sc (MRT).

This unit provides an introduction and understanding of the key role played by the various imaging modalities used in the diagnosis and treatment planning of malignant disease. These modalities include

planar radiographs, CT, MRI, NM Imaging, PET, Ultrasound and Portal Imaging including EPI. The advantages of using each in the practice of radiation therapy will be addressed as well as their limitations.

**SING4083**
**Evidence Based Practice**  
**Health Sciences**

**Credit points:** 3 **Session:** Semester 2 **Classes:** SIM: Block mode  
**Assessment:** Written report (40%), exam (60%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (Phy).

This unit of study provides students with the knowledge and skills needed to critically evaluate clinical epidemiology research; ie, research investigating treatment effectiveness, the utility of diagnostic tests and the causes and prognosis of disease. This knowledge and these skills can be used to improve clinical practice.

**SING4084**
**Advanced Musculoskeletal Physiotherapy**  
**Health Sciences**

**Credit points:** 3 **Session:** Semester 2 **Classes:** SIM: Block mode  
**Assessment:** Written assignment (50%), exam (50%) **Campus:** Cumberland  
**Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (Phy).

The aim of this module is to assist the student in developing clinical reasoning skills and to apply these skills in identifying priorities in the treatment of complex cases in the area of musculoskeletal physiotherapy. Where appropriate, the student will be encouraged to integrate clinical management skills across other areas of physiotherapy management. The student will be asked to apply clinical reasoning skills to develop treatment strategies to address priorities.

**SING4085**
**Advanced Cardiopulmonary Physiotherapy**  
**Health Sciences**

**Credit points:** 3 **Session:** Semester 2 **Classes:** SIM: Block mode  
**Assessment:** Two group exercises (30%), individual written assignment (70%)  
**Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (Phy).

The aim of this module is to assist the student in developing clinical reasoning skills and to apply these skills in identifying priorities in the treatment of complex cases in the area of cardiopulmonary physiotherapy. Where appropriate, the student will be encouraged to integrate clinical management skills across other areas of physiotherapy management. The student will be asked to apply clinical reasoning skills to develop treatment strategies to address priorities.

**SING4086**
**Advanced Neurological Physiotherapy**  
**Health Sciences**

**Credit points:** 3 **Session:** Semester 2 **Classes:** SIM: Block mode  
**Assessment:** Presentation (30%), written assignment (70%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (Phy).

The aim of this module is to assist the student in developing clinical reasoning skills and to apply these skills in identifying priorities in the treatment of complex cases in the area of neurological physiotherapy. Where appropriate, the student will be encouraged to integrate clinical management skills across other areas of physiotherapy management. The student will be asked to apply clinical reasoning skills to develop treatment strategies to address priorities.

**SING4087**
**Nursing and Health Assessment**  
**Health Sciences**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode  
**Assessment:** Exam (50%), assignment (50%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (Nursing).

This unit will examine aspects of nursing practice, with special emphasis on patient/client assessment and the planning of nursing care. The unit utilises a clinical case study approach through the use of clinical case studies that focus on the nursing management of patients with varying degrees of clinical and social complexity. Students are expected to apply knowledge and skills encountered in previous units of study in the analysis of the case studies.

### SING4088

#### Nursing in Complex Clinical Situations Health Sciences

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** SIM: Block mode **Assessment:** Assignment (60%), interview (10%), assignment (30%) **Campus:** Cumberland **Mode of delivery:** Block Mode

**Associated degrees:** B Hlth Sc (Nursing).

This unit will examine aspects of nursing practice, with special emphasis on the pharmacological aspects of patient/client management. The unit utilises a clinical case study approach through the use of clinical case studies that focus on the nursing management of patients with varying degrees of management and social complexity. Students may apply knowledge and skills encountered in previous units of study in the analysis of the case studies.

### SLSS1001

#### Introduction to Socio-Legal Studies Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Deirdre Howard-Wagner **Session:** Semester 1 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** class participation (10%), one 1500 word take-home exam (40%), one 3000 word essay (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to Bachelor of Arts and Sciences and Bachelor of Socio-Legal Studies only*

**Associated degrees:** B A S, B S L S, B S T, UG Study Abroad Program.

This unit provides students with an introduction to the understanding of legal ideas, institutions and practices in their social and historical contexts. It will provide an historical overview of legal institutions and forms of law in Australia, the place of the idea of the rule of law in state-formation, liberalism, processes of civilization and colonialism, law and the public/private distinction, changing conceptions of human rights, as well as outlining the central features of the various fields of law.

*Textbooks*

Unit reader will be available through the Copy Centre

### SLSS1003

#### Law and Contemporary Society Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Rebecca Scott Bray **Session:** Semester 2 **Classes:** two 1 hour lectures and one 1 hour tutorial per week **Assessment:** one 500 word tutorial presentation, one 1500 word take-home exam, one 3000 word essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to Bachelor of Arts and Sciences and Bachelor of Socio-Legal Studies only*

**Associated degrees:** B A S, UG Study Abroad Program.

This unit provides an understanding of the central themes and issues in social scientific analyses of the operation of law in society. After briefly outlining the various ways in which social life is organised in terms of law, the unit will examine a range of key concerns in the development of legal ideas, institutions and processes today, including the increasing legal regulation of private life, law and science, human rights, the globalisation of law, terrorism, risk and security, law and social inequality and citizenship.

*Textbooks*

Unit reader will be available through the Copy Centre

### SLSS2601

#### Socio-Legal Research

### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Deirdre Howard-Wagner **Session:** Semester 1 **Classes:** one 1 hour lecture and one 2 hour tutorial per week **Prerequisites:** SLSS1001 and SLSS1003 or SLSS1001 and SLSS1002 **Assessment:** one tutorial presentation, one 2000 word content analysis exercise and one 2000 word research essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to Bachelor of Socio-Legal Studies only*

**Associated degrees:** B A S, B S L S, B S T.

This unit will develop an understanding of social science research methods as they apply to socio-legal studies. It will therefore discuss the theoretical aspects of research design and methodology and provide an overview of the main research methods applicable in socio-legal studies. These will include the development of research questions; examination of statutes, legislation, case law and law reform debates; library and archive research; content analysis and discourse analysis; interviewing; participant observation; data recording, coding and analysis; and research ethics.

*Textbooks*

Unit reader available through the University Copy Centre

### SLSS2603

#### Medico-Legal and Forensic Criminology Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Rebecca Scott Bray **Session:** Semester 2 **Classes:** one 2 hour lecture and one 1 hour tutorial per week **Prerequisites:** SLSS1001 and SLSS1003 or SLSS1001 and SLSS1002 **Assessment:** 4500 words of written work **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available to Bachelor of Socio-Legal Studies only*

**Associated degrees:** B A S, B S L S, B S T.

This unit of study explores the relationship between crime, law, medicine and science in society by specifically examining the history of criminal detection practices, death investigation systems and the coroner's office, the role of medicine and science in criminal justice and socio-legal management of the dead. Students will be introduced to developing areas in medico-legal and forensic criminology, such as DNA, and will explore specific issues and case studies such as euthanasia/end of life and human tissue and organ controversies.

*Textbooks*

readings will be available at the University Copy Centre

### SMTP1000

#### Communicating Effectively in Teams Medicine

**Session:** Semester 1 **Classes:** 3 small group sessions of 90 minutes **Assessment:** Attendance, short written formative test **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Adv)(Hons), M B B S, B Com, M B, B S, B Ec, M B, B S, B Med Sc, M B, B S, B Mus Studies, M B, B S, B Sc (Adv), M B, B S.

This unit will enable students to develop the skills that will prepare them for the medical program.

### SMTP2000

#### Introduction to Clinical Research Ethics Medicine

**Session:** Semester 2 **Classes:** 3 small group sessions of 90 minutes plus attendance at 2 Research Ethics Committee meetings (University and hospital). **Assessment:** Attendance, short written formative test **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Adv)(Hons), M B B S, B Com, M B, B S, B Ec, M B, B S, B Med Sc, M B, B S, B Mus Studies, M B, B S, B Sc (Adv), M B, B S.

This unit will enable the students to develop the skills that will prepare them for the medical program.

### SMTP3007

#### SMTP Elective I

## Medicine

**Session:** S1 Late Int, S2 Late Int **Classes:** project work **Assessment:** Report describing the elective topic or activities **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Adv)(Hons), M B B S, B Com, M B, B S, B Ec, M B, B S, B Med Sc, M B, B S, B Mus Studies, M B, B S, B Sc (Adv), M B, B S.

The unit will enable the students to develop the skills that will prepare them for the medical program. Students must obtain approval for their project work from the coordinator of the combined medical degree program.

### SNGP3001

#### Advanced Clinical Nursing Assessment Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 1 **Classes:** lectures/tutorials, and independent learning/online **Assessment:** case study health history, reflective journal, WebCT participation and community profile **Campus:** Singapore **Mode of delivery:** Block Mode

**Associated degrees:** B N.

This unit of study focuses on the advanced clinical abilities required for nursing assessment of patients, families and communities in the 21st century. Students will learn how to assess a patient's condition, physically and mentally, and to make insightful nursing observation that can inform practice. At the community level, and in the wider socio-economic context, students will study emerging patterns of disease.

### SNGP3002

#### Health Illness & Care: Int'l Perspective Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 2 **Classes:** lectures/tutorials, and independent learning/online **Assessment:** assignments, exam **Campus:** United Arab Emirates **Mode of delivery:** Block Mode

**Associated degrees:** B N.

This unit critically analyses international concepts of health, illness, and care. It investigates the ways in which historical forces have shaped ideas and beliefs about health and illness. The unit also examines the structure of contemporary societies, emphasising the relationship between social structures, cultural factors, and the distribution of health and illness. In particular it examines the effects of social inequalities on the health of vulnerable, at-risk, and marginalised groups.

### SNGP3003

#### Clinical and Patient Education Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 1 **Classes:** lectures/tutorials, and independent learning/online **Assessment:** essay and exam **Campus:** Singapore **Mode of delivery:** Block Mode

**Associated degrees:** B N.

The field of clinical and patient education is explored in the context of the practice professions and continuing changes in technologies, information and evidence bases for practice. The unit involves a study of the literature on the nature of learned and performed skills, what factors affect changing understandings, beliefs, dogma and practice(s) in clinical settings and subsequently clinical and patient education. The unit is interdisciplinary in approach and has a fieldwork/practice component.

### SNGP3004

#### Minor Thesis/Practice Project Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 2 **Classes:** lectures/tutorials, and independent learning/online **Prerequisites:** 24 unspecified credit points **Assessment:** 1x5000wd essay **Campus:** Singapore **Mode of delivery:** Block Mode

**Associated degrees:** B N.

Students undertake advanced work on an area of practice, or a particular practice, in nursing. The project will involve three stages: first, conducting a review of the available research literature; second,

examining other forms of evidence, such as written policies and protocols or actual practices; and third, composing a written report on the ways in which practice can be enhanced and/or further investigated by original research. This project will be highly suited to currently practising nurses whose professional responsibilities and interests include clinical leadership, management of a clinical service or practice development and/or the use of evidence in practice.

### SNGP3005

#### Nursing Management & Clinical Governance Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 2 **Classes:** lectures/tutorials, and independent learning/online **Assessment:** assignments, exam **Campus:** Singapore **Mode of delivery:** Block Mode

**Associated degrees:** B N.

This course provides a forum for experienced practitioners to enhance their skills and knowledge of nursing management and clinical governance and to develop a framework for their implementation. The structure of the course will enable participants to explore and critique issues surrounding clinical governance in the context of care provision, organisational climate and culture, quality, clinical and professional leadership and financial responsibility. This course utilises a better practice (continuum of care / quality / cost / utilisation and health outcomes) framework.

### SNGP3007

#### Inquiry and Research in Nursing Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 2 **Classes:** lectures/tutorials, and independent learning/online **Assessment:** research proposal, exam **Campus:** United Arab Emirates **Mode of delivery:** Block Mode

**Associated degrees:** B N.

This unit of study builds on the tenet throughout the course that research is integral to all aspects of nursing theory, education, application and practice. Nursing (and midwifery) research will be the focus of examination and critique. A critical analysis of various modes of inquiry will be used to investigate aspects of nursing practice and relevant nursing issues. A variety of perspectives, methodologies and methods that constitute modes of inquiry will be included. This unit will assist students to develop research knowledge and prepare them for future research activities. Opportunities will be provided to experience the inquiry process with reference to clinically related situations or to areas that have an implication for nurses (and midwives) and their practice.

### SNGP3008

#### Applied Pharmacology in Nursing Practice Nursing and Midwifery

**Credit points:** 6 **Session:** Semester 1 **Classes:** lectures/tutorials, and independent learning/online **Assessment:** assignments and exam **Campus:** Singapore **Mode of delivery:** Block Mode

**Associated degrees:** B N.

This unit of study is designed to provide students with the opportunity to consolidate and extend their knowledge and skills in relation to the therapeutic applications of drugs based on their underlying pharmacology. Students will review fundamental definitions of pharmacological terms, including drug absorption, distribution, metabolism, and excretion and review the basic principles of pharmacokinetic and pharmacodynamic drug handling. The major focus of this unit is on the pharmacological aspects of medical therapy in various populations, including neonatal/paediatric, adult and geriatric patients. Students will learn how to apply specific pharmacological knowledge in the clinical management of special patient groups. A problem-based learning approach is used in this unit of study in a quality of care / safe medication administration framework.

### SNGP3009

#### Nursing, Knowledge and Practice

**Nursing and Midwifery**

**Credit points:** 6 **Session:** Semester 1 **Classes:** lectures/tutorials, and independent learning/online **Assessment:** essay and exam **Campus:** United Arab Emirates **Mode of delivery:** Block Mode

**Associated degrees:** B N.

This unit of study examines the historical background to, and current debates surrounding, how nurses have established their knowledge and practice. In addition to examining the historical records in relation to nursing as a discrete area of knowledge and practice in health care, this unit of study analyses and critiques current trends, ethical considerations, and discourses in nursing and how they impact on understandings of the nature of nursing knowledge and contemporary practice(s).

**SNGP3010****Law and Ethics in Health Care Nursing and Midwifery**

**Credit points:** 6 **Session:** Semester 2 **Classes:** lectures/tutorials, online **Assessment:** essay and exam **Campus:** Singapore **Mode of delivery:** Block Mode

**Associated degrees:** B N.

This unit of study explores the legal and ethical dimensions in health and social care, with a particular focus on nursing. This module will enable students to gain a critical understanding and applied appreciation of health-related law and ethics, whilst exploring its application and affect on nursing practice. Topics covered in this unit include government regulation of health care, including resource-allocation and professional practice, as well as legal issues relating to professional liability (consent, negligence, confidentiality and autonomy). This unit of study also considers traditional and contemporary ethical theory, moral decision making, articulating moral arguments, critiquing arguments, and exploring values in ethical decision-making. In doing so, this unit of study also explores the values held by professionals, as the concepts of rights and responsibilities increasingly impact on professional nursing practice.

**SOIL2003****Soil Properties and Processes****Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Balwant Singh (Coordinator), Prof Alex McBratney, Dr Stephen Cattle **Session:** Semester 1 **Classes:** (3 lec & 3hr prac)/wk **Assessment:** Prac book and fieldtrip report (15%), 3 Quizzes (15%), essay (5%), practical exam (25%), written exam (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B An Vet Bio Sc, B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Environmental), B Sc Agr, UG Study Abroad Program.

This unit of study is designed to introduce students to the fundamental concepts within pedology, soil physics and soil chemistry. These concepts are part of the grounding principles that underpin crop and animal production, nutrient and water cycling, and environmental sustainability taught by other units of study in the Faculty. Students will participate in a two-day field excursion in the first week of semester to examine some common soils of the Sydney Basin, they will also learn to describe soil, and measure soil chemical and physical properties in the field. Referring to common soil profiles of the Sydney Basin, students will concentrate on factors affecting soil formation, the rudiments of soil description, and analysis of soil properties that are used in soil classification. Students will also develop knowledge of the physics of water and gas movement, soil strength, soil chemical properties, inorganic and organic components, nutrient cycles and soil acidity in an agricultural context. At the end of this unit students will become familiar with the factors that determine a soil's composition and behaviour, and will have an understanding of the most important soil physical and chemical properties. Students will develop communication skills through essay, report and practical exercises. The final report and laboratory exercise questions are designed to develop team work and collaborative efforts.

**Textbooks**

Campbell, K.O. & Bowyer, J.W. (eds) (1988). *The Scientific Basis of Modern Agriculture*. Sydney University Press.

White, R.E. (2006). *Principles and Practice of Soil Science: the Soil as a Natural Resource*. 4th ed., Blackwell Science, Oxford.

Charman, P.E.V. & Murphy, B.W. (2000). *Soils: Their properties and management*. 2nd ed. Oxford University Press, Melbourne.

**SOIL2004****The Soil Resource****Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Dr Stephen Cattle (Coordinator), Prof Alex McBratney, A/Prof Balwant Singh **Session:** Semester 2 **Classes:** (2 lec, 2 pracs)/wk, 24 hr (5 days) field work out of semester time **Assessment:** Literature review exercise (10%), soil description and mapping report (20%), laboratory report (15%), 2 hr exam (50%), field excursion participation (5%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc (Environmental), B Sc Agr, UG Study Abroad Program.

This unit will familiarize students with the description and mapping of soil types in the Australian landscape, with common analytical methods for soil and with the various forms of degradation that may alter the quality and function of soil. It is an applied soil science unit which builds on the fundamental soil science concepts learned in the SOIL2003 unit. The first practical component of the unit, a five-day soil survey, will give students experience in soil description and classification in the field, and soil samples collected during this survey will be subsequently analysed for a variety of attributes by the students in laboratory practicals. In the lecture series, topics including soil type distribution, soil quality, soil function, soil fertility and soil degradation will be discussed and linked to practical sessions. By the end of this unit, students will be able to construct maps of soil properties and soil type distribution, describe primary soil functions, soil attributes and types of soil degradation in an agricultural context, and be able to recognize and communicate the ability of a soil profile to sustain plant growth. Students will gain research and inquiry skills by collecting, analyzing and interpreting soil survey data. They will improve their information literacy skills by carrying out a literature review exercise, and will gain communication skills by having to prepare and present a poster.

**Textbooks**

Brady NC & Weil RR. (2002) *The Nature and Properties of Soils*. 13th ed. (or any later edition) Prentice Hall, New Jersey.

Isbell RF McDonald WS & Ashton LJ. (1997) *Concepts and Rationale of the Australian Soil Classification*. Australian Collaborative Land Evaluation Program, CSIRO Publishing, Canberra.

White RE (2006) *Principles and Practice of Soil Science: the Soil as a Natural Resource*. 4th ed., Blackwell Science, Oxford.

McKenzie N, Jacquier D, Isbell, R & Brown K. (2004) *Australian Soils and Landscapes: An Illustrated Compendium*. CSIRO publishing, Melbourne.

**SOIL3009****Contemporary Field and Lab Soil Science****Agriculture, Food and Natural Resources**

**Credit points:** 6 **Teacher/Coordinator:** Prof Alex McBratney (coordinator), A/Prof Balwant Singh, Dr Stephen Cattle, Dr Budiman Minasny **Session:** Semester 1 **Classes:** (2 lec, 2 prac)/wk, 6-day field excursion **Prerequisites:** SOIL2003 **Assessment:** One 2hr exam; pedology, soil physics and soil chemistry written assessments; group presentation, synthesis paper **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hort Sc, B L W Sc, B Res Ec, B Sc, B Sc Agr, UG Study Abroad Program.

This is a theoretical and empirical unit providing specialised training in three important areas of contemporary soil science, namely pedology, soil chemistry and soil physics. The key concepts of these sub-disciplines will be outlined and strengthened by hands-on training in essential field and laboratory techniques. All of this is synthesized by placing it in the context of soil distribution and use in North-Western New South Wales. The unit is motivated by the teaching team's research in this locale. It builds on students existing soil science knowledge gained in SOIL2003. After completion of the unit, students should be able to articulate the advantages and disadvantages of current field & laboratory techniques for gathering necessary soil information, and simultaneously recognise key concepts and principles that guide contemporary thought in soil science. Students will be able to synthesise soil information from a multiplicity of sources and have

an appreciation of the cutting edge areas of soil research. By investigating the contemporary nature of key concepts, students will develop their skills in research and inquiry. Students will develop their communication skills through report writing and oral presentations and will also articulate an openness to new ways of thinking which augments intellectual autonomy. Teamwork and collaborative efforts are encouraged in this unit.

#### Textbooks

D. Hillel. 2004. Introduction to Environmental Soil Physics. Elsevier Science, San Diego, CA, USA  
R. Schaetzl and S. Anderson 2005. Soils: Genesis and Geomorphology. Cambridge University Press, New York, NY, USA  
D.L. Sparks 2003 Environmental Soil Chemistry (2nd edn). Academic Press, San Diego, CA, USA

### SOIL3010

#### The Soil at Work

##### Agriculture, Food and Natural Resources

**Credit points:** 6 **Teacher/Coordinator:** Prof Alex McBratney (coordinator) A/Prof Balwant Singh, Dr Stephen Cattle (facilitators) plus research-only academics **Session:** Semester 2 **Classes:** Problem-based unit: each student completes 2 problems; 4 x 3 hr workshops per problem (each student attends 8 workshops in total) **Prerequisites:** SOIL2003 or SOIL2004 **Assessment:** For each of two scenarios: Statement of the problem report (12.5%) - shared info, but two team reports; How to tackle problem seminar (12.5%) - team seminars, before fieldwork, analyses done; Results seminar (12.5%) - team seminars; Final report (12.5%) - individual work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Hort Sc, B L W Sc, B Sc, B Sc Agr, UG Study Abroad Program.

This is a problem-based applied soil science unit. It is designed to allow students to identify soil-related problems in the real-world and by working in a group and with an end-user to suggest short and long-term solutions to such problems. This is a core unit for students majoring or specializing in soil science and an elective unit for those wishing to gain an understanding of environmental problem-solving. It utilises and reinforces soil-science knowledge gained in SOIL2003 and/or SOIL2004 and problem-solving skills gained during the degree program. This unit will address real-world scenarios which involve soil-related problems such as carbon management, structural decline, acidification, salinisation and contamination. Students will gain some understanding of the concept of sustainability, and will be able to identify the causes of problems by reference to the literature, discussion with landusers and by the design and execution of key experiments and surveys. They will gain a focused knowledge of the key soil drivers to environmental problems and will have some understanding on the constraints surrounding potential solutions. By designing and administering strategies to tackle real-world soil issues students will develop their research and inquiry skills and enhance their intellectual autonomy. By producing reports and seminars that enables understanding by an end-user students will improve the breadth of their communication skills.

#### Textbooks

I.W.Heathcote 1997. Environmental Problem Solving: A Case Study Approach. McGraw-Hill, New York, NY, USA.

### SOIL4021

#### Soil Science Honours A

##### Agriculture, Food and Natural Resources

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons), UG Study Abroad Program.

Students enrolled in the Honours program study various advanced aspects of Soil Science. The program may include lectures, tutorials, seminars and practicals. Students will undertake a research project. Assessment will include the project and may include examinations and classwork.

### SOIL4022

#### Soil Science Honours B

### Agriculture, Food and Natural Resources

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** SOIL4021 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons), UG Study Abroad Program.

See SOIL4021

### SOIL4023

#### Soil Science Honours C

##### Agriculture, Food and Natural Resources

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** SOIL4022 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons), UG Study Abroad Program.

See SOIL4021

### SOIL4024

#### Soil Science Honours D

##### Agriculture, Food and Natural Resources

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** SOIL4023 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B S T (Hons), B Sc (Environmental)(Hons), B Sc (Hons), UG Study Abroad Program.

See SOIL4021

### SPAN1601

#### Introductory Spanish 1

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Summer Main, Winter Main **Classes:** 3 language tutorials and 1 lecture per week **Prohibitions:** Not to be taken by students with prior knowledge of Spanish. **Assessment:** Written exam on history and culture (1000 words), short in-class tests (equivalent to 1000 words), short oral tasks (equivalent to 200 words), mid-semester exam (1000 words), final exam (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students who have already studied Spanish at HSC level, or who have equivalent knowledge, may not take SPAN1601. Students should contact the department, which will determine the appropriate level of enrolment.*

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program, UG Summer/Winter School.

SPAN1601 is for absolute beginners or for students who have no substantial prior knowledge of the language. It introduces the main structures of Spanish, developing all four language skills, and provides an overview of Spanish history and culture.

#### Textbooks

Nuevo ven 1: Libro del alumno (Castro, Marín, Morales and Rosa)

### SPAN1602

#### Introductory Spanish 2

##### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 2, Summer Late **Classes:** 3 language tutorials and 1 lecture per week **Prerequisites:** SPAN1601 **Prohibitions:** SPAN1002 **Assessment:** Written exam on history and culture (1000 words), short in-class tests (equivalent to 1000 words), short oral tasks (equivalent to 200 words), mid-semester exam (1000 words), final exam (1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students who have already studied Spanish at HSC level, or who have equivalent knowledge, may not take SPAN1602. Students should contact the department, which will determine the appropriate level of enrolment.*

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program, UG Summer/Winter School.

SPAN1602 builds further on the skills acquired in SPAN1601 and provides an overview of Latin American history and culture.

#### Textbooks

Nuevo ven 1: Libro del alumno (Castro, Marín, Morales and Rosa)

### SPAN1801

#### Spanish Exchange

**Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

**SPAN1802****Spanish Exchange****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

**SPAN2601****Intermediate Spanish 1****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Fernanda Peñaloza **Session:** Semester 1 **Classes:** 3 hours of language tutorials per week **Prerequisites:** SPAN1002 or SPAN1602 **Prohibitions:** SPAN2001 **Assessment:** Two oral tasks (equivalent to 500 words), short in-class tests (equivalent to 1000 words), mid-semester exam (1500 words), final exam (1500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students who have already studied Spanish at HSC level, or who have equivalent knowledge, may request waiving of prerequisites and be admitted to SPAN2601. Students should contact the department, which will determine the appropriate level of enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit builds on the basic language skills acquired in SPAN1601 and SPAN1602, further developing aural/oral skills, reading and writing, with a particular focus on grammatical accuracy. All activities are set in the context of developing further knowledge of the Spanish-speaking world.

*Textbooks*

"Rumbos" (Alternate edition) by Pellettieri et al. (Thomson Heinle)

**SPAN2602****Intermediate Spanish 2****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Fernanda Peñaloza **Session:** Semester 2 **Classes:** 3 hours of language tutorials per week **Prerequisites:** SPAN2601 **Prohibitions:** SPAN2002 **Assessment:** Two oral tasks (equivalent to 500 words), short in-class tests (equivalent to 1000 words), mid-semester exam (1500 words), final exam (1500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit builds on SPAN2601, developing further communicative competence. All activities are set in the context of developing further knowledge of the Spanish-speaking world.

*Textbooks*

"Rumbos" (Alternate edition) by Pellettieri et al. (Thomson Heinle)

**SPAN2621****Spanish Culture 1****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1 **Classes:** One 2 hour seminar per week **Prerequisites:** SPAN1002 or SPAN1602 **Assumed knowledge:** SPAN2601, SPAN2602 **Assessment:** 3000 word essay, oral presentation (equivalent to 1500 words), short written tasks (equivalent to 1500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit, taught in Spanish, presents students with a variety of texts of mainstream Spanish literature and film, discussing major cultural trends in the context of the history of Spain in the twentieth century.

**SPAN2622****Latin American Culture 1****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Vek Lewis **Session:** Semester 2 **Classes:** One 2 hour seminar per week **Prerequisites:** SPAN1002 or SPAN1602 **Assessment:** 3000 word essay, oral presentation (equivalent to 1500 words), short written tasks (equivalent to 1500 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit, taught in Spanish, presents students with a variety of Latin American texts from modern and contemporary popular culture. Students are exposed to a range of different traditions and approaches to reading popular forms in the context of the history and culture of Latin America.

**SPAN2631****Cultural and Social Change in Spain****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1 **Classes:** One 1 hour lecture and one 1 hour seminar per week **Prerequisites:** 12 junior credit points **Assessment:** In-class oral presentation in a small group (equivalent to 1000 words), individual written memorandum on research for the presentation (1000 words, to be submitted at the time of the presentation), mid-semester in-class test (1000 words), researched essay (3000 words) to be handed in at the end of the course. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, Dip Lang Stud, UG Study Abroad Program.

Spanish society has changed dramatically over the last half century. The restrictions on personal freedoms that were part of the Franco regime have been lifted to reveal a liberal, tolerant European society that nevertheless still shows some elements of its conservative heritage. This unit (taught in English) explores contemporary Spanish society and culture to show the reasons for the changes, and their effects. The areas under discussion will be family, sexuality and gender; class, money and consumerism; and mass/popular culture.

**SPAN3601****Advanced Spanish 1****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1 **Classes:** 3 hours of language tutorials per week **Prerequisites:** SPAN2002 or SPAN2602 **Prohibitions:** 3rd year language units completed at UNSW **Assessment:** Short oral tasks (equivalent to 500 words), essay (1500 words), listening test (500 words), written exam (2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit allows students to further develop the language skills they have already acquired and reach a high level of competence in speaking, understanding, reading and writing Spanish. It also aims to increase students' cultural awareness of the Spanish-speaking world through the study of topics relating to contemporary issues.

*Textbooks*

Contact department for details

**SPAN3602****Advanced Spanish 2****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 2 **Classes:** 3 hours of language tutorials per week **Prerequisites:** SPAN3601 **Assessment:** Short oral tasks (equivalent to 500 words), essay (1500 words), oral exam (equivalent to 500 words), written exam (2000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is normally taken by students who have completed SPAN3601. It builds on the linguistic competences already achieved in order to ensure that students are able to function at a high level in a wide range of communicative situations. As well as dealing with advanced points of grammar, the unit uses authentic text and video

relating to the cultures and societies of Spanish-speaking countries as the basis for developing communication skills and vocabulary through textual analysis and debate.

*Textbooks*

Contact department for details

### SPAN3621

#### Latin American Film and Literature Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Vek Lewis **Session:** Semester 1  
**Classes:** One 2 hour seminar per week **Prerequisites:** SPAN2002 or SPAN2602 **Prohibitions:** SPAN3006 **Assessment:** Short written tasks (1500 words), in-class presentation (equivalent to 1500 words), final 3000 word essay.  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

In this unit (taught in Spanish) students are exposed to a range of literary and filmic works from Latin America. The unit examines how these two modes of cultural production have interacted and reshaped one another. Literary narratives have changed formally, stylistically and thematically due to the influence of several genres of Mexican, Brazilian and Argentinean cinema, as well as those of Hollywood and European cinema. The unit provides grounding in literary and film theory and familiarises students with debates around industry, audience reception and reading codes.

### SPAN3622

#### Introduction to Spanish Translation Arts

**Credit points:** 6 **Session:** Semester 2 **Classes:** One 2 hour seminar per week  
**Prerequisites:** SPAN3601 **Assessment:** Translation tasks (equivalent to 2000 words), group work in class, presentation and research paper (equivalent to 1500 words), translation analysis (1500 words), final in-class test (equivalent to 1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit presents an introduction to various aspects of translation and provides practical work in both English and Spanish, translating from a wide range of materials. It will explore modes, techniques and genres in a variety of texts.

### SPAN3623

#### Argentina for Export Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Fernanda Peñaloza **Session:** Semester 2 **Classes:** One 1 hour lecture and one 1 hour tutorial per week  
**Prerequisites:** SPAN 2602 Intermediate Spanish 2 or equivalent level of Spanish language **Assessment:** one essay (3000 words), one research journal (1500 words), group presentation written plan (500 words), 10 minute group presentation (equivalent to 1000 words). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit (taught in Spanish) explores the images associated with figures such as Eva Perón and Ernesto Che Guevara, the musical genre of tango and the seemingly boundless landscape of Patagonia. We will focus on the way in which different cultural elements frequently perceived as part of Argentina's cultural history have been created, appropriated and commodified within and beyond the country's national boundaries, giving special attention to globalisation as a framework for approaching the relationship between identity representation and commodification.

### SPAN3811

#### Spanish Studies Exchange Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### SPAN3812

#### Spanish Studies Exchange Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### SPAN3813

#### Spanish Studies Exchange Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### SPAN3814

#### Spanish Studies Exchange Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### SPAN3815

#### Spanish Studies Exchange Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### SPAN3816

#### Spanish Studies Exchange Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### SPAN3817

#### Spanish Studies Exchange Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.

### SPAN3818

#### Spanish Studies Exchange Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S.



**SPAN4011****Spanish & Latin American Studies Hons A  
Arts**

**Credit points:** 12 **Teacher/Coordinator:** Dr Vek Lewis **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week per seminar course (2 seminar courses in each semester), one language tutorial per week and dissertation supervisions **Prerequisites:** 48 senior credit points in Spanish and Latin American Studies with at least a credit average. At least 24 credit points must be in language units of study. **Assessment:** 12000-15000 word thesis written either in English or Spanish (50%); essays and assessed presentations relating to the seminar courses taken in each semester (4000-5000 words or equivalent for each course). (12.5% each.) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons).

The Spanish and Latin American Studies honours program is designed to extend both the linguistic and cultural competencies of students who already have an advanced knowledge of the Spanish language. Honours involves four semester-length seminar courses on different topics in Latin American and Spanish culture and society, an advanced language course, and a dissertation of 12000-15000 words on a topic of interest to the student, prepared with the guidance of a member of staff.

**SPAN4012****Spanish & Latin American Studies Hons B  
Arts**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** SPAN4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons).

Please refer to SPAN4011

**SPAN4013****Spanish & Latin American Studies Hons C  
Arts**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** SPAN4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons).

Please refer to SPAN4011

**SPAN4014****Spanish & Latin American Studies Hons D  
Arts**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** SPAN4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B A (Lang)(Hons), Dip Lang Studs (Hons).

Please refer to SPAN4011

**SSCI2601****Social, Political and Economic Thought 1  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Jennifer Wilkinson **Session:** Semester 1 **Classes:** one 1 hour lecture and one 2 hour tutorial per week **Prerequisites:** SSCI1003 **Prohibitions:** SSCI1001, SSCI2001 **Assessment:** one 2500 word essay (40%), class presentation and discussion (30%), one 2000 word take-home exam (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Bachelor of Social Sciences only*

**Associated degrees:** B Soc Sci.

This is a core theory unit for the Bachelor of Social Sciences. The unit explores the theme of the social sciences and society by critically examining debates across the social sciences about the development of modernity in the arenas of society, politics and economics. Attempts will be made to highlight the historical context in which forms of social and political and economic thought developed. This unit will also examine the significance of key debates about post modernity, globalisation and difference in transforming the world context in which social sciences are practised today and their implications for changes

within the social sciences. In keeping with current debates about the nature of social sciences theory and the changing status of rationality, a key concern of this unit is to give students an understanding of the social sciences as theories embedded in society.

*Textbooks*

Readings will be available through the University Copy Centre

**SSCI2602****Social, Political and Economic Thought 2  
Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr Jennifer Wilkinson **Session:** Semester 2 **Classes:** one 1 hour lecture and one 2 hour tutorial per week **Prerequisites:** SSCI1003 or SSCI1001 or SSCI2601 or SSCI2001 **Prohibitions:** SSCI2002 **Assessment:** one 2500 word essay (40%), one class presentation (20%), one take-home exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Bachelor of Social Sciences only*

**Associated degrees:** B Soc Sci.

This unit is a core unit for the Bachelor of Social Sciences, following on from Social, Political and Economic Thought 1. The unit explores the theme of the social sciences, humanity and ethics through an examination of central debates about democracy, justice, social welfare, social inclusion, human rights, shame, public goods, human capabilities, social capital, civility, tolerance and care. In contrast with traditional conceptions of the social sciences as 'objective and value neutral', a key concern of this unit is to provide an understanding of the context of human relations and moral problems in which the social sciences are practised in contemporary settings. Thus, wherever possible, the treatment of theories is examined in the context of real case studies of social science in practice.

*Textbooks*

Unit reader will be available through the Copy Centre

**SSCI3601****Social Sciences Internship  
Arts**

**Credit points:** 12 **Teacher/Coordinator:** Dr Jennifer Wilkinson **Session:** Semester 1, Semester 2 **Classes:** minimum 210 hours of monitored work place experience, plus supervisory consultations **Prerequisites:** SSCI1001 or SSCI2001 or SSCI2601 and SSCI2002 or SSCI2602 and STAT1021 and SCLG2602 or SCLG2521 **Prohibitions:** SSCI3001 **Assessment:** will be determined on the basis of meeting the requirements/or failing to meet the requirements of the course. In order to meet these requirements, you need to attend the internship and receive a satisfactory report by your internship supervisor within your placement. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Bachelor of Social Sciences only*

**Associated degrees:** B Soc Sci.

The internship provides an opportunity for students to gain practical experience in a professional setting as part of their academic training. Students undertake a minimum of 30 working days in a social sciences environment, from 3 to 5 days per week. They will be assisted and supervised by both the workplace and the department. Placements may include government departments, non-governmental organizations, community organizations, corporations, private consultancies, etc.

**SSCI3602****Internship Research Paper  
Arts**

**Credit points:** 12 **Teacher/Coordinator:** Dr Jennifer Wilkinson **Session:** Semester 1, Semester 2 **Classes:** independent research with compulsory supervisory consultations **Prerequisites:** SSCI1001 or SSCI2001 or SSCI2601 and SSCI2002 or SSCI2602 and STAT1021 and SCLG2602 or SCLG2521 **Corequisites:** SSCI3001 or SSCI3601 **Prohibitions:** SSCI3002 **Assessment:** one 4500 word (or equivalent) Internship research essay and one 6000 word (or equivalent) professional journal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Bachelor of Social Sciences only*

**Associated degrees:** B Soc Sci.

The Internship Research Paper provides an opportunity for students to reflect on their research experiences during the internship in a social sciences environment (SSCI3601). Students will keep a reflective

journal about their research experiences during the internship, which will form the basis of a research report to be submitted for assessment. Students, in consultation with a supervisor from the Bachelor of Social Sciences program, will formulate a topic for their research essay which should demonstrate the ability to reflect critically on the relation between their practical experience in their particular placement and social science theory more generally.

### STAT1021

#### General Statistical Methods 1 Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prohibitions:** MATH1005, MATH1015, MATH1905, ECMT1010 **Assumed knowledge:** HSC General Mathematics **Assessment:** Assignments and 3 hour examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A.

STAT1021 provides basic methodology necessary for the use of statistics in humanities courses, up to simple testing and inference procedures. This unit does not form part of a major sequence, and is not available to students enrolled in the Faculties of Science or Engineering.

*Textbooks*

Purves, Freedman and Pisani: Statistics (Norton)

### STAT1551

#### Statistics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### STAT2011

#### Statistical Models Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory week. **Prerequisites:** MATH (1001 or 1901 or 1906 or 1011) and [MATH (1005 or 1905 or 1015) or STAT1021] **Prohibitions:** STAT2901, STAT2001, STAT2911 **Assessment:** One 2 hour exam, assignments and/or quizzes, and computer practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Res Ec, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit provides an introduction to univariate techniques in data analysis and the most common statistical distributions that are used to model patterns of variability. Common discrete random models like the binomial, Poisson and geometric and continuous models including the normal and exponential will be studied. The method of moments and maximum likelihood techniques for fitting statistical distributions to data will be explored. The unit will have weekly computer classes where candidates will learn to use a statistical computing package to perform simulations and carry out computer intensive estimation techniques like the bootstrap method.

### STAT2012

#### Statistical Tests Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** MATH (1005 or 1905 or 1015) **Prohibitions:** STAT2004, STAT2912 **Assessment:** One 2 hour exam, assignments and/or quizzes, and computer practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B App Sc (Ex, SS and Nut), B App Sc (Ex & Sp Sc), B Sc (Nutr), B Com, B E, B Res Ec, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit provides an introduction to the standard methods of statistical analysis of data: Tests of hypotheses and confidence intervals, including t-tests, analysis of variance, regression - least squares and robust methods, power of tests, non-parametric tests, non-parametric smoothing, tests for count data, goodness of fit, contingency tables. Graphical methods and diagnostic methods are used throughout with all analyses discussed in the context of computation with real data using an interactive statistical package.

### STAT2551

#### Statistics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### STAT2552

#### Statistics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### STAT2553

#### Statistics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### STAT2554

#### Statistics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### STAT2555

#### Statistics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### STAT2556

#### Statistics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### STAT2557

#### Statistics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

### STAT2911

#### Probability and Statistical Models (Adv) Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** MATH (1903 or 1907 or Credit in 1003) and MATH (1905 or 1904 or Credit in 1005) **Prohibitions:** STAT2001, STAT2011, STAT2901 **Assessment:** One 2 hour exam, assignments and/or quizzes, and computer practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit is essentially an advanced version of STAT2011, with an emphasis being on the mathematical techniques used to manipulate random variables and probability models. Common random variables including the Poisson, normal, beta and gamma families are introduced. Probability generating functions and convolution methods are used to understand the behaviour of sums of random variables. The method of moments and maximum likelihood techniques for fitting statistical distributions to data will be explored. The unit will have weekly computer classes where candidates will learn to use a statistical computing package to perform simulations and carry out computer intensive estimation techniques like the bootstrap method.

### STAT2912

#### Statistical Tests (Advanced) Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** MATH1905 or Credit in MATH1005 **Prohibitions:** STAT2004, STAT2012 **Assumed knowledge:** STAT (2911 or 2901) **Assessment:** One 2 hour exam, assignments and/or quizzes, and computer practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B E, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit is essentially an advanced version of STAT2012 with an emphasis on both methods and the mathematical derivation of these methods: Tests of hypotheses and confidence intervals, including

t-tests, analysis of variance, regression - least squares and robust methods, power of tests, non-parametric methods, non-parametric smoothing, tests for count data, goodness of fit, contingency tables. Graphical methods and diagnostic methods are used throughout with all analyses discussed in the context of computation with real data using an interactive statistical package.

### STAT3011

#### Stochastic Processes and Time Series Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week; ten 1 hour computer laboratories per semester. **Prerequisites:** STAT (2011 or 2911 or 2001 or 2901) and MATH (1003 or 1903 or 1907). **Prohibitions:** STAT3911, STAT3003, STAT3903, STAT3005, STAT3905 **Assessment:** One 2 hour exam, assignments and/or quizzes, and computer practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

Section I of this course will introduce the fundamental concepts of applied stochastic processes and Markov chains used in financial mathematics, mathematical statistics, applied mathematics and physics. Section II of the course establishes some methods of modeling and analysing situations which depend on time. Fitting ARMA models for certain time series are considered from both theoretical and practical points of view. Throughout the course we will use the S-PLUS (or R) statistical packages to give analyses and graphical displays.

### STAT3012

#### Applied Linear Methods Science

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratories per week. **Prerequisites:** STAT(2012 or 2912 or 2004) and MATH(1002 or 1014 or 1902). **Prohibitions:** STAT3912, STAT3002, STAT3902, STAT3004, STAT3904 **Assessment:** One 2 hour exam, assignments and/or quizzes, and computer practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This course will introduce the fundamental concepts of analysis of data from both observational studies and experimental designs using classical linear methods, together with concepts of collection of data and design of experiments. First we will consider linear models and regression methods with diagnostics for checking appropriateness of models. We will look briefly at robust regression methods here. Then we will consider the design and analysis of experiments considering notions of replication, randomization and ideas of factorial designs. Throughout the course we will use the R statistical package to give analyses and graphical displays.

### STAT3013

#### Statistical Inference Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** STAT(2012 or 2912 or 2003 or 2903) and STAT (2011 or 2911) **Prohibitions:** STAT3913, STAT3001, STAT3901 **Assessment:** One 2 hour exam, assignments and/or quizzes, and computer practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

In this course we will study basic topics in modern statistical inference. This will include traditional concepts of mathematical statistics: likelihood estimation, method of moments, properties of estimators, exponential families, decision-theory approach to hypothesis testing, likelihood ratio test as well as more recent approaches such as Bayes estimation, Empirical Bayes and nonparametric estimation. During the computer classes (using R software package) we will illustrate the various estimation techniques and give an introduction to computationally intensive methods like Monte Carlo, Gibbs sampling and EM-algorithm.

## STAT3014

### Applied Statistics Science

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** STAT(2012 or 2912 or 2004). **Prohibitions:** STAT3914, STAT3002, STAT3902, STAT3006 **Assumed knowledge:** STAT(3012 or 3912). **Assessment:** One 2 hour exam, assignments and/or quizzes, and computer practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Res Ec, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit has three distinct but related components: Multivariate analysis; sampling and surveys; and generalised linear models. The first component deals with multivariate data covering simple data reduction techniques like principal components analysis and core multivariate tests including Hotelling's  $T^2$ , Mahalanobis' distance and Multivariate Analysis of Variance (MANOVA). The sampling section includes sampling without replacement, stratified sampling, ratio estimation, and cluster sampling. The final section looks at the analysis of categorical data via generalized linear models. Logistic regression and log-linear models will be looked at in some detail along with special techniques for analyzing discrete data with special structure.

## STAT3551

### Statistics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## STAT3552

### Statistics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## STAT3553

### Statistics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## STAT3554

### Statistics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## STAT3555

### Statistics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## STAT3556

### Statistics Exchange Science

**Credit points:** 4 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## STAT3557

### Statistics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## STAT3558

### Statistics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## STAT3559

### Statistics Exchange Science

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

## STAT3560

### Statistics Exchange

**Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Sc, B Sc (Bioinformatics).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**STAT3911****Stochastic Processes and Time Series Adv Science**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lecture, one 1 hour tutorial per week, plus an extra 1 hour lecture per week on advanced material in the first half of the semester. Seven 1 hour computer laboratories (on time series) in the second half of the semester (one 1 hour class per **Prerequisites:** (STAT2911 or credit in STAT2011) and MATH(1003 or 1903 or 1907). **Prohibitions:** STAT3011, STAT3003, STAT3903, STAT3005, STAT3905 **Assessment:** One 2 hour exam, assignments and/or quizzes, and computer practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This is an Advanced version of STAT3011. There will be 3 lectures in common with STAT3011. In addition to STAT3011 material, theory on branching processes and birth and death processes will be covered. There will be more advanced tutorial and assessment work associated with this unit.

**STAT3912****Applied Linear Methods Advanced Science**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** (STAT2912 or Credit in STAT2004 or Credit in STAT2012) and MATH(2061 or 2961 or 1902). **Prohibitions:** STAT3012, STAT3002, STAT3902, STAT3004, STAT3904 **Assessment:** One 2 hour exam, assignments and/or quizzes, and computer practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit is essentially an Advanced version of STAT3012, with emphasis on the mathematical techniques underlying applied linear models together with proofs of distribution theory based on vector space methods. There will be 3 lectures per week in common with STAT3012 and some advanced material given in a separate advanced tutorial together with more advanced assessment work.

**STAT3913****Statistical Inference Advanced Science**

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures, one 1 hour tutorial and one 1 hour computer laboratory per week. **Prerequisites:** STAT(2911 or 2903). **Prohibitions:** STAT3013, STAT3001, STAT3901 **Assessment:** One 2 hour exam, assignments and/or quizzes, and computer practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit is essentially an Advanced version of STAT3013, with emphasis on the mathematical techniques underlying statistical inference together with proofs based on distribution theory. There will be 3 lectures per week in common with some material required only in this advanced course and some advanced material given in a separate advanced tutorial together with more advanced assessment work.

**STAT3914****Applied Statistics Advanced****Science**

**Credit points:** 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour computer laboratory per week plus an extra hour each week which will alternate between lectures and tutorials. **Prerequisites:** STAT2912 or credit or better in (STAT2004 or STAT2012). **Prohibitions:** STAT3014, STAT3002, STAT3902, STAT3006, STAT3907 **Assumed knowledge:** STAT3912 **Assessment:** One 2 hour exam, assignments and/or quizzes, and computer practical reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Med Sc, B Sc, B Sc (Bioinformatics), UG Study Abroad Program.

This unit is an Advanced version of STAT3014. There will be 3 lectures per week in common with STAT3014. The unit will have extra lectures focusing on multivariate distribution theory developing results for the multivariate normal, partial correlation, the Wishart distribution and Hotelling's  $T^2$ . There will also be more advanced tutorial and assessment work associated with this unit.

**STAT4201****Mathematical Statistics Honours A Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B S T (Hons), B Sc (Hons).

Students enrolled in the Honours programs study various advanced aspects of Mathematical Statistics. The program may include lectures, tutorials, seminars and practicals. They will undertake a research project. Assessment will include the project and may include examinations and classwork.

**STAT4202****Mathematical Statistics Honours B Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** STAT 4201 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B S T (Hons), B Sc (Hons).

See STAT4011

**STAT4203****Mathematical Statistics Honours C Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** STAT 4202 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B S T (Hons), B Sc (Hons).

See STAT4011

**STAT4204****Mathematical Statistics Honours D Science**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** STAT 4203 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B S T (Hons), B Sc (Hons).

See STAT4011

**STAT4205****Mathematical Statistics (STABEX) Science**

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** UG Study Abroad Program.

This unit is available to Study Abroad and Exchange students coming to the University of Sydney. The unit is part of the Honours year program. Students enrolled in the Honours program study various advanced aspects of Mathematical Statistics. The program may include lectures, tutorials and seminars. Assessment may include research, examination and classwork. Intending students should contact the Honours coordinator in this School.

### STAT4206

#### Mathematical Statistics (STABEX) Science

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** UG Study Abroad Program.

This unit is available to Study Abroad and Exchange students coming to the University of Sydney. The unit is part of the Honours year program. Students enrolled in the Honours program study various advanced aspects of Mathematical Statistics. The program may include lectures, tutorials and seminars. Assessment may include research, examination and classwork. Intending students should contact the Honours coordinator in this School.

### STRG1000

#### Cello Ensemble 1

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Georg Pedersen **Session:** Semester 1, Semester 2 **Classes:** One 2hr rehearsal/wk **Prerequisites:** A final grade will be compiled from continual assessment of ensemble skills demonstrated during weekly rehearsals (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Cello Ensemble 1-8 provides advanced cellists with repertoire and performance challenges surpassing cello parts in many chamber and orchestral work. This unit of study focuses on the improvement of aural and performance skills and ensemble awareness, strategies for achieving cohesion and refinement of sound and the development of professionalism. The ensemble performs regular showcase concerts and features special arrangements in its repertoire.

### STRG1001

#### Cello Ensemble 2

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Georg Pedersen **Session:** Semester 1, Semester 2 **Classes:** One 2hr rehearsal/wk **Prerequisites:** STRG1000 Cello Ensemble 1 **Assessment:** A final grade will be compiled from continual assessment of ensemble skills demonstrated during weekly rehearsals (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Cello Ensemble 1-8 provides advanced cellists with repertoire and performance challenges surpassing cello parts in many chamber and orchestral work. This unit of study focuses on the improvement of aural and performance skills and ensemble awareness, strategies for achieving cohesion and refinement of sound and the development of professionalism. The ensemble performs regular showcase concerts and features special arrangements in its repertoire.

### STRG1015

#### Strings Performance Class 1

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Gregory Pickler **Session:** Semester 1, Semester 2 **Classes:** One 2hr class/wk **Assessment:** 1. Reflective journal demonstrating the student's increased understanding and development (max 1500 words) (50%); 2. Recording project (CD) with accompanying descriptive analysis of technical and musical aims of the recorded material (max 500 words)

(50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The study of string performance requires frequent exposure to performance opportunity. Strings Performance Class offers the opportunity for students to perform work in progress and receive qualified feedback from their peers, lecturers and guests specially invited to the class. The class aims to create a focused and supportive environment in which students can take performance risks. In response to performances the class is invited to discuss technical and musical observations relevant to string playing. All students enrolling in Strings Performance Class must be concurrently enrolled in Principal Study in a string instrument.

### STRG1016

#### Strings Performance Class 2

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Gregory Pickler **Session:** Semester 1, Semester 2 **Classes:** One 2hr class/wk **Prerequisites:** STRG1015 Strings Performance Class 1 **Assessment:** 1. Reflective journal demonstrating the student's increased understanding and development (max 1500 words) (50%); 2. Recording project (CD) with accompanying descriptive analysis of technical and musical aims of the recorded material (max 500 words) (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The study of string performance requires frequent exposure to performance opportunity. Strings Performance Class offers the opportunity for students to perform work in progress and receive qualified feedback from their peers, lecturers and guests specially invited to the class. The class aims to create a focused and supportive environment in which students can take performance risks. In response to performances the class is invited to discuss technical and musical observations relevant to string playing. All students enrolling in Strings Performance Class must be concurrently enrolled in Principal Study in a string instrument.

### STRG1039

#### Guitar Ensemble 1

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 2hr rehearsal/wk. **Assessment:** A final grade will be compiled from continual assessment of ensemble skills demonstrated during weekly rehearsals and all ensemble performances (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Students from both major and minor level guitar and postgraduate students will attend a weekly rehearsal/seminar involving sight-reading, new repertoire and preparation towards one or more guitar ensemble performances in the semester. Students will be required to attend all rehearsals/seminars within the semester and they will prepare and perform repertoire with the ensemble working under the direction of an ensemble leader.

### STRG1040

#### Guitar Ensemble 2

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 2hr rehearsal/wk. **Prerequisites:** STRG1039 Guitar Ensemble 1 **Assessment:** A final grade will be compiled from continual assessment of ensemble skills demonstrated during weekly rehearsals and all ensemble performances (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Undergraduate and postgraduate students will attend a weekly rehearsal/seminar involving sight-reading, new repertoire and preparation towards one or more guitar ensemble performances in the semester. Students will be required to attend all rehearsals/seminars within the semester and they will prepare and perform repertoire with the ensemble working under the direction of an ensemble leader.

### STRG1601

#### Double Bass 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Assessment:** Teacher Assessment 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Double Bass 1-8 provides the opportunity to study double bass performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

### STRG1602

#### Double Bass 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** STRG1601 Double Bass 1 **Assessment:** 10-15 minute jury recital (50%); Teacher assessment of semester work (50%). Students must pass both assessment components. **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Double Bass 1-8 provides the opportunity to study double bass performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

### STRG1611

#### Guitar 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Assessment:** Teacher Assessment 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Guitar 1-8 provides the opportunity to study guitar performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a substantial commitment towards individual daily practice.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry.

### STRG1612

#### Guitar 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** STRG1611 Guitar 1 **Assessment:** 10-15 minute jury recital (50%); Teacher assessment of semester work (50%). Students must pass both assessment components. **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Guitar 1-8 provides the opportunity to study guitar performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a substantial commitment towards daily, individual practice.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry.

## STRG1621

### Harp 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Assessment:** Teacher Assessment 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Harp 1-8 provides the opportunity to study harp performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards individual daily practice.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry.

## STRG1622

### Harp 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** STRG1621 Harp 1 **Assessment:** 10-15 minute jury recital (50%); Teacher assessment of semester work (50%). Students must pass both assessment components. Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to instrumental technique, sound production, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Harp 1-8 provides the opportunity to study harp performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a substantial commitment towards individual, daily practice.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry.

## STRG1641

### Viola 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Assessment:** Teacher Assessment 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Viola 1-8 provides the opportunity to study viola performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

## STRG1642

### Viola 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** STRG1641 Viola 1 **Assessment:** 10-15 minute jury recital (50%); Teacher assessment of semester work (50%). Students must pass both assessment components. Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Viola 1-8 provides the opportunity to study viola performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

## STRG1661

### Violin 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Assessment:** Teacher Assessment 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Violin 1-8 provides the opportunity to study violin performance in accordance with internationally recognized standards of performance excellence.



Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

### STRG1662

#### Violin 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** STRG1661 Violin **Assessment:** 10-15 minute jury recital (50%); Teacher assessment of semester work (50%). Students must pass both assessment components. **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Violin 1-8 provides the opportunity to study violin performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

### STRG1671

#### Violoncello 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Assessment:** Teacher Assessment 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Violoncello 1-8 provides the opportunity to study cello performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence

in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

### STRG1672

#### Violoncello 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** STRG1671 Violoncello 1 **Assessment:** 10-15 minute jury recital (50%); Teacher assessment of semester work (50%). Students must pass both assessed components. **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Violoncello 1-8 provides the opportunity to study cello performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

### STRG2000

#### Cello Ensemble 3

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Georg Pedersen **Session:** Semester 1, Semester 2 **Classes:** One 2hr rehearsal/wk **Prerequisites:** STRG1001 Cello Ensemble 2 **Assessment:** A final grade will be compiled from continual assessment of ensemble skills demonstrated during weekly rehearsals (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Cello Ensemble 1-8 provides advanced cellists with repertoire and performance challenges surpassing cello parts in many chamber and orchestral work. This unit of study focuses on the improvement of aural and performance skills and ensemble awareness, strategies for achieving cohesion and refinement of sound and the development of professionalism. The ensemble performs regular showcase concerts and features special arrangements in its repertoire.

## STRG2001

### Cello Ensemble 4

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Georg Pedersen **Session:** Semester 1, Semester 2 **Classes:** One 2hr rehearsal/wk **Prerequisites:** STRG2000 Cello Ensemble 3 **Assessment:** A final grade will be compiled from continual assessment of ensemble skills demonstrated during weekly rehearsals (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Cello Ensemble 1-8 provides advanced cellists with repertoire and performance challenges surpassing cello parts in many chamber and orchestral work. This unit of study focuses on the improvement of aural and performance skills and ensemble awareness, strategies for achieving cohesion and refinement of sound and the development of professionalism. The ensemble performs regular showcase concerts and features special arrangements in its repertoire.

## STRG2003

### Double Bass 4 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** G. Richter (Strings) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG2002 Double Bass 3 (Major) **Assessment:** Qualifying Exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. Dip Mus - Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## STRG2006

### Guitar 3 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gregory Pikler **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG1007 Guitar 2 (Major) or audition **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## STRG2007

### Guitar 4 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gregory Pikler **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG2006 Guitar 3 (Major) **Assessment:** Qualifying Exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. Dip Mus - Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## STRG2008

### Harp 3 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG1009 Harp 2 (Major) or audition

**Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## STRG2009

### Harp 4 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG2008 Harp 3 (Major) **Assessment:** Qualifying Exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. Dip Mus - Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## STRG2014

### Strings Performance Class 3

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Gregory Pickler **Session:** Semester 1, Semester 2 **Classes:** One 2hr class/wk **Prerequisites:** STRG1016 Strings Performance Class 2 **Assessment:** 1. Reflective journal demonstrating the student's increased understanding and development (max 1500 words) (50%); 2. Recording project (CD) with accompanying descriptive analysis of technical and musical aims of the recorded material (max 500 words) (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The study of string performance requires frequent exposure to performance opportunity. Strings Performance Class offers the opportunity for students to perform work in progress and receive qualified feedback from their peers, lecturers and guests specially invited to the class. The class aims to create a focused and supportive environment in which students can take performance risks. In response to performances the class is invited to discuss technical and musical observations relevant to string playing. All students enrolling in Strings Performance Class must be concurrently enrolled in Principal Study in a string instrument.

## STRG2015

### Strings Performance Class 4

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Gregory Pickler **Session:** Semester 1, Semester 2 **Classes:** One 2hr class/wk **Prerequisites:** STRG2014 Strings Performance Class 3 **Assessment:** 1. Reflective journal demonstrating the student's increased understanding and development (max 1500 words) (50%); 2. Recording project (CD) with accompanying descriptive analysis of technical and musical aims of the recorded material (max 500 words) (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The study of string performance requires frequent exposure to performance opportunity. Strings Performance Class offers the opportunity for students to perform work in progress and receive qualified feedback from their peers, lecturers and guests specially invited to the class. The class aims to create a focused and supportive environment in which students can take performance risks. In response to performances the class is invited to discuss technical and musical

observations relevant to string playing. All students enrolling in Strings Performance Class must be concurrently enrolled in Principal Study in a string instrument.

### STRG2016

#### Viola 3 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG1018 Viola 2 (Major) or audition **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### STRG2017

#### Viola 4 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG2016 Viola 3 (Major) **Assessment:** Qualifying Exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. Dip Mus - Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### STRG2018

#### Violin 3 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG1020 Violin 2 (Major) or audition **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### STRG2019

#### Violin 4 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG2018 Violin 3 (Major) **Assessment:** Qualifying Exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. Dip Mus - Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### STRG2020

#### Violoncello 3 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG1022 Violoncello 2 (Major) or audition **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### STRG2021

#### Violoncello 4 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG2020 Violoncello 3 (Major) **Assessment:** Qualifying Exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. Dip Mus - Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### STRG2035

#### Guitar Ensemble 3

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 2 hour rehearsal/week **Prerequisites:** STRG1040 Guitar Ensemble 2 **Assessment:** A final grade will be compiled from continual assessment of ensemble skills demonstrated during weekly rehearsals and all ensemble performances. (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies(Hons), B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Undergraduate and postgraduate students will attend a weekly rehearsal/seminar involving sight-reading, new repertoire and preparation towards one or more guitar ensemble performances in the semester. Students will be required to attend all rehearsals/seminars within the semester and they will prepare and perform repertoire with the ensemble working under the direction of an ensemble leader.

### STRG2036

#### Guitar Ensemble 4

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 2hr rehearsal/wk. **Prerequisites:** STRG2035 Guitar Ensemble 3 **Assessment:** A final grade will be compiled from continual assessment of ensemble skills demonstrated during weekly rehearsals and all ensemble performances (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies(Hons), B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Undergraduate and postgraduate students will attend a weekly rehearsal/seminar involving sight-reading, new repertoire and preparation towards one or more guitar ensemble performances in the semester. Students will be required to attend all rehearsals/seminars within the semester and they will prepare and perform repertoire with the ensemble working under the direction of an ensemble leader.

### STRG2603

#### Double Bass 3

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG1602 Double Bass 2 **Corequisites:** STRG2703 Double Bass 3 (Adv) - Dip Mus only **Assessment:** Teacher Assessment 100% **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Double Bass 1-8 provides the opportunity to study double bass performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

#### STRG2604

##### Double Bass 4

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG2603 Double Bass 3 **Corequisites:** STRG2704 Double Bass 4 (Adv) - Dip Mus only **Assessment:** 15- 25 minute jury or qualifying recital (Dip Mus only) (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Double Bass 1-8 provides the opportunity to study double bass performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

#### STRG2613

##### Guitar 3

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG1612 Guitar 2 **Corequisites:** STRG2713 Guitar 3 (Adv) - Dip Mus only **Assessment:** Teacher Assessment 100% Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Guitar 1-8 provides the opportunity to study guitar performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a substantial commitment towards daily, individual practice.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry.

#### STRG2614

##### Guitar 4

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG2613 Guitar 3 **Corequisites:** STRG2714 Guitar 4 (Adv) - Dip Mus only **Assessment:** 15- 25 minute jury or qualifying recital (Dip Mus only) (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Guitar 1-8 provides the opportunity to study guitar performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a substantial commitment towards daily, individual practice.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry.

#### STRG2623

##### Harp 3

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG1622 Harp 2 **Corequisites:** STRG2723 Harp 3 (Adv) - Dip Mus only **Assessment:** Teacher Assessment 100% Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Harp 1-8 provides the opportunity to study harp performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a substantial commitment towards daily, individual practice.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry.

### STRG2624

#### Harp 4

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG2623 Harp 3 **Corequisites:** STRG2724 Harp 4 (Adv) - Dip Mus only **Assessment:** 15- 25 minute jury or qualifying recital (Dip Mus only) (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Harp 1-8 provides the opportunity to study harp performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a substantial commitment towards individual, daily practice.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry.

### STRG2643

#### Viola 3

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG1642 Viola 2 **Corequisites:** STRG2743 Viola 3 (Adv) - Dip Mus only **Assessment:** Teacher Assessment 100% **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Viola 1-8 provides the opportunity to study viola performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

### STRG2644

#### Viola 4

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG2643 Viola 3 **Corequisites:** STRG2744 Viola 4 (Adv) - Dip Mus only **Assessment:** 15- 25 minute jury or qualifying recital (Dip Mus only) (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Viola 1-8 provides the opportunity to study viola performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

### STRG2663

#### Violin 3

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG1662 Violin 2 **Corequisites:** STRG 2763 Violin 3 (Adv) - Dip Mus only **Assessment:** Teacher Assessment 100% **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Violin 1-8 provides the opportunity to study violin performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

#### STRG2664

##### Violin 4

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG2663 Violin 3 **Corequisites:** STRG2764 Violin 4 (Adv) - Dip Mus only **Assessment:** 15- 25 minute jury or qualifying recital (Dip Mus only) (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Violin 1-8 provides the opportunity to study violin performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

#### STRG2673

##### Violoncello 3

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG1672 Violoncello 2 **Corequisites:** STRG2773 Violoncello 3 (Adv) - Dip Mus only **Assessment:** Teacher Assessment 100% **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Violoncello 1-8 provides the opportunity to study cello performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

#### STRG2674

##### Violoncello 4

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG2673 Violoncello 3 **Corequisites:** STRG2774 Violoncello 4 (Adv) - Dip Mus only **Assessment:** 15- 25 minute jury or qualifying recital (Dip Mus only) (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Principal Study Violoncello 1-8 provides the opportunity to study cello performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

#### STRG2703

##### Double Bass 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG1602 Double Bass 2 **Corequisites:** STRG2603 Double Bass 3 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015 String Performance Class 1 - 4.*

**Associated degrees:** Dip Mus.

Double Bass Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues. The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG2704

#### Double Bass 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG2703 Double Bass 3 (Adv) **Corequisites:** STRG2604 Double Bass 4 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015 String Performance Class 1 - 4.*

**Associated degrees:** Dip Mus.

Double Bass Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues. The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG2713

#### Guitar 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG1612 Guitar 2 **Corequisites:** STRG2613 Guitar 3 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015 Strings Performance Class 1-4.*

**Associated degrees:** Dip Mus.

Guitar Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues. The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG2714

#### Guitar 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG2713 Guitar 3 (Adv) **Corequisites:** STRG2614 Guitar 4 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015 String Performance Class 1 - 4.*

**Associated degrees:** Dip Mus.

Guitar Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues.

The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG2723

#### Harp 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG1622 Harp 2 **Corequisites:** STRG2623 Harp 3 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015 String Performance Class 1 - 4.*

**Associated degrees:** Dip Mus.

Harp Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues.

The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG2724

#### Harp 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG2723 Harp 3 (Adv) **Corequisites:** STRG2624 Harp 4 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015 String Performance Class 1-4.*

**Associated degrees:** Dip Mus.

Harp Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to

developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues. The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG2743

#### Viola 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG1642 Viola 2 **Corequisites:** STRG2643 Viola 3 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015 String Performance Class 1 - 4.*

**Associated degrees:** Dip Mus.

Viola Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues. The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG2744

#### Viola 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG2743 Viola 3 (Adv) **Corequisites:** STRG2644 Viola 4 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015 String Performance Class 1 - 4.*

**Associated degrees:** Dip Mus.

Viola Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues. The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG2763

#### Violin 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG1662 Violin 2 **Corequisites:** STRG2663 Violin 3 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015 String Performance Class 1 - 4.*

**Associated degrees:** Dip Mus.

Violin Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues. The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG2764

#### Violin 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG2763 Violin 3 (Adv) **Corequisites:** STRG2664 Violin 4 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015 String Performance Class 1 - 4.*

**Associated degrees:** Dip Mus.

Violin Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues. The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG2773

#### Violoncello 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG1672 Violoncello 2 **Corequisites:** STRG2673 Violoncello 3 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015 String Performance Class 1 - 4.*

**Associated degrees:** Dip Mus.

Violoncello Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues. The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.



**STRG2774****Violoncello 4 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG2773 Violoncello 3 (Adv) **Corequisites:** STRG2674 Violoncello 4 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015 String Performance Class 1 - 4.*

**Associated degrees:** Dip Mus.

Violoncello Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues.

The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

**STRG3000****Cello Ensemble 5****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Georg Pedersen **Session:** Semester 1, Semester 2 **Classes:** One 2hr rehearsal/wk **Prerequisites:** STRG2001 Cello Ensemble 4 **Assessment:** A final grade will be compiled from continual assessment of ensemble skills demonstrated during weekly rehearsals (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Cello Ensemble 1-8 provides advanced cellists with repertoire and performance challenges surpassing cello parts in many chamber and orchestral work. This unit of study focuses on the improvement of aural and performance skills and ensemble awareness, strategies for achieving cohesion and refinement of sound and the development of professionalism. The ensemble performs regular showcase concerts and features special arrangements in its repertoire.

**STRG3001****Cello Ensemble 6****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Georg Pedersen **Session:** Semester 1, Semester 2 **Classes:** One 2hr rehearsal/wk **Prerequisites:** STRG3000 Cello Ensemble 5 **Assessment:** A final grade will be compiled from continual assessment of ensemble skills demonstrated during weekly rehearsals (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Cello Ensemble 1-8 provides advanced cellists with repertoire and performance challenges surpassing cello parts in many chamber and orchestral work. This unit of study focuses on the improvement of aural and performance skills and ensemble awareness, strategies for achieving cohesion and refinement of sound and the development of professionalism. The ensemble performs regular showcase concerts and features special arrangements in its repertoire.

**STRG3002****Double Bass 5 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG2003 Double Bass 4 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**STRG3003****Double Bass 6 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG3002 Double Bass 5 (Major) **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**STRG3004****Guitar 5 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Gregory Pikler **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG2007 Guitar 4 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**STRG3005****Guitar 6 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Gregory Pikler **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG3004 Guitar 5 (Major) **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**STRG3006****Harp 5 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG2009 Harp 4 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**STRG3007****Harp 6 (Major)**

**Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG3006 Harp 5 (Major) **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**STRG3010****Pedagogy Guitar 1****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Gregory Pikler **Session:** Semester 2 **Classes:** 1hr tut/wk **Assessment:** Regular class presentations (50%) and exam (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit introduces players to the art and craft of instrumental teaching through the analysis of various pedagogical methods and approaches. Topics covered include: philosophies underlying some important and innovative teaching methods; repertoire and resources for beginning students; integration of aural training, note reading and memory training. For further information contact G. Pikler (Strings).

**STRG3012****Pedagogy Strings 1****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1 **Classes:** One 1hr lect/week plus four practical sessions as assigned. **Assessment:** One essay (50%); curriculum outline (30%), viva voce exam (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This unit of study offers an introduction to the basic principles of teaching and learning bowed instruments. Topics covered include the of principles of movement, posture and set-up, bow hold, bow strokes, principles of left hand development and coordination. The emphasis is on pedagogical practices and methods and the development of foundational instrumental and interpretative skills. Students are expected to research some main teaching methods, literature and pedagogical repertoire relevant to topics covered. Opportunity for supervised teaching and lesson observation may be provided and will be part of the semester workload.

**STRG3013****Pedagogy Strings 2****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 2 **Classes:** One 1hr lect/wk and up to 4 hours of assigned mentoring practice per semester. **Prerequisites:** STRG3012 Pedagogy Strings 1 **Assessment:** One 2000 word essay (50%), a short mentoring report (20%) and examination (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Instrumental and didactic concepts introduced in Pedagogy Strings 1 will be further developed. Advanced technical and interpretative issues will be explored and theoretical teaching literature will be researched. In addition, historical analysis of string teaching and teaching methodology will be considered. Some of the technical issues covered in detail include shifting, vibrato, martele, spiccato and

staccato, practice techniques and development of advanced interpretative skills. Students will be expected to present one demonstration lesson or alternatively participate in a mentoring program of primary or secondary level string players.

**STRG3016****Guitar 5 (Minor)****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Gregory Pikler **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG2013 Guitar 4 (Minor) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**STRG3017****Guitar 6 (Minor)****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Gregory Pikler **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG3016 Guitar 5 (Minor) **Assessment:** Jury exam: 20 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**STRG3018****Strings Performance Class 5****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Gregory Pickler **Session:** Semester 1, Semester 2 **Classes:** One 2hr class/wk **Prerequisites:** STRG2015 Strings Performance Class 4 **Assessment:** 1. Reflective journal demonstrating the student's increased understanding and development (max 1500 words) (50%); 2. Recording project (CD) with accompanying descriptive analysis of technical and musical aims of the recorded material (max 500 words) (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The study of string performance requires frequent exposure to performance opportunity. Strings Performance Class offers the opportunity for students to perform work in progress and receive qualified feedback from their peers, lecturers and guests specially invited to the class. The class aims to create a focused and supportive environment in which students can take performance risks. In response to performances the class is invited to discuss technical and musical observations relevant to string playing. All students enrolling in Strings Performance Class must be concurrently enrolled in Principal Study in a string instrument.

**STRG3019****Strings Performance Class 6****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Gregory Pickler **Session:** Semester 1, Semester 2 **Classes:** One 2hr class/wk **Prerequisites:** STRG3018 Strings Performance Class 5 **Assessment:** 1. Reflective journal demonstrating the student's increased understanding and development (max 1500 words) (50%); 2. Recording project (CD) with accompanying descriptive analysis of technical and musical aims of the recorded material (max 500 words) (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus

Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The study of string performance requires frequent exposure to performance opportunity. Strings Performance Class offers the opportunity for students to perform work in progress and receive qualified feedback from their peers, lecturers and guests specially invited to the class. The class aims to create a focused and supportive environment in which students can take performance risks. In response to performances the class is invited to discuss technical and musical observations relevant to string playing. All students enrolling in Strings Performance Class must be concurrently enrolled in Principal Study in a string instrument.

### STRG3020

#### Viola 5 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG2017 Viola 4 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### STRG3021

#### Viola 6 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG3020 Viola 5 (Major) **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### STRG3022

#### Violin 5 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG2019 Violin 4 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### STRG3023

#### Violin 6 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG3022 Violin 5 (Major) **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### STRG3024

#### Violoncello 5 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG2021 Violoncello 4 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### STRG3025

#### Violoncello 6 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG3024 Violoncello 5 (Major) **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### STRG3026

#### Violin 5 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG2025 Violin 4 (Minor) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### STRG3027

#### Violin 6 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG3026 Violin 5 (Minor) **Assessment:** Jury exam: 20 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### STRG3035

#### Harp 5 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/week. **Prerequisites:** STRG2034 Harp 4 (Minor) **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## STRG3036

### Harp 6 (Minor)

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/week. **Prerequisites:** STRG3035 Harp 5 (Minor) **Assessment:** Jury exam: 20 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## STRG3037

### Guitar Ensemble 5

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 2hr rehearsal/wk. **Prerequisites:** STRG2036 Guitar Ensemble 4 **Assessment:** A final grade will be compiled from continual assessment of ensemble skills demonstrated during weekly rehearsals and all ensemble performances (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies(Hons), B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Undergraduate and postgraduate students will attend a weekly rehearsal/seminar involving sight-reading, new repertoire and preparation towards one or more guitar ensemble performances in the semester. Students will be required to attend all rehearsals/seminars within the semester and they will prepare and perform repertoire with the ensemble working under the direction of an ensemble leader.

## STRG3038

### Guitar Ensemble 6

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 2 hr rehearsal/week **Prerequisites:** STRG3037 Guitar Ensemble 5 **Assessment:** A final grade will be compiled from continual assessment of ensemble skills demonstrated during weekly rehearsals and all ensemble performances (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies(Hons), B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Undergraduate and postgraduate students will attend a weekly rehearsal/seminar involving sight-reading, new repertoire and preparation towards one or more guitar ensemble performances in the semester. Students will be required to attend all rehearsals/seminars within the semester and they will prepare and perform repertoire with the ensemble working under the direction of an ensemble leader.

## STRG3605

### Double Bass 5

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG2604 Double Bass 4 **Assessment:** Teacher Assessment 100% Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Principal Study Double Bass 1-8 provides the opportunity to study double bass performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

## STRG3606

### Double Bass 6

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG3605 Double Bass 5 **Assessment:** 40 minute junior recital (B Mus Perf students only); 20 minute jury exam (all other degrees) (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. Assessment Criteria: technical and musical progress achieved; commitment and effectiveness of practice; quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Principal Study Double Bass 1-8 provides the opportunity to study double bass performance in accordance with internationally recognized standards of performance excellence. Performers who are enrolled in the Dip Music or B Music Perf degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day. Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

## STRG3615

### Guitar 5

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG2614 Guitar 4 **Assessment:** Teacher Assessment 100% Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Principal Study Guitar 1-8 provides the opportunity to guitar performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop

instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a substantial commitment towards individual, daily practice.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry.

### STRG3616

#### Guitar 6

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG3615 Guitar 5 **Assessment:** 40 minute junior recital (Bachelor of Music Performance students only); 20 minute jury exam (all other degrees) (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance Show » 40 minute junior recital (Bachelor of Music Performance students only); 20 minute jury exam (all other degrees) (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Principal Study Guitar 1-8 provides the opportunity to study guitar performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a substantial commitment towards individual, daily practice.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry.

### STRG3625

#### Harp 5

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG2624 Harp 4 **Assessment:** Teacher Assessment 100% **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Principal Study Harp 1-8 provides the opportunity to study harp performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop

instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a substantial commitment towards individual, daily practice.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry.

### STRG3626

#### Harp 6

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG3625 Harp 5 **Assessment:** 40 minute junior recital (Bachelor of Music Performance students only); 20 minute jury exam (all other degrees) (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Principal Study Harp 1-8 provides the opportunity to study harp performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a substantial commitment towards individual, daily practice.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry.

### STRG3645

#### Viola 5

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG2644 Viola 4 **Assessment:** Teacher Assessment 100% **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Principal Study Viola 1-8 provides the opportunity to study viola performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical

facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

### STRG3646

#### Viola 6

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG3645 Viola 5 **Assessment:** 40 minute junior recital (Bachelor of Music Performance students only); 20 minute jury exam (all other degrees) (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Principal Study Viola 1-8 provides the opportunity to study viola performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

### STRG3665

#### Violin 5

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG2664 Violin 4 **Assessment:** Teacher Assessment 100% Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Principal Study Violin 1-8 provides the opportunity to study violin performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical

facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

### STRG3666

#### Violin 6

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG3665 Violin 5 **Assessment:** 40 minute junior recital (Bachelor of Music Performance students only); 20 minute jury exam (all other degrees) (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Principal Study Violin 1-8 provides the opportunity to study violin performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

### STRG3675

#### Violoncello 5

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG2674 Violoncello 4 **Assessment:** Teacher Assessment 100% Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Principal Study Violoncello 1-8 provides the opportunity to study cello performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical

facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

### STRG3676

#### Violoncello 6

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** STRG3675 Violoncello 5 **Assessment:** 40 minute junior recital (Bachelor of Music Performance students only); 20 minute jury exam (all other degrees) (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Principal Study Violoncello 1-8 provides the opportunity to study cello performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry. At this level of study students are expected to commit around 2 hours per day to their daily instrumental practice.

### STRG4000

#### Cello Ensemble 7

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Georg Pedersen **Session:** Semester 1, Semester 2 **Classes:** One 2hr rehearsal/wk **Prerequisites:** STRG3001 Cello Ensemble 6 **Assessment:** A final grade will be compiled from continual assessment of ensemble skills demonstrated during weekly rehearsals (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Cello Ensemble 1-8 provides advanced cellists with repertoire and performance challenges surpassing cello parts in many chamber and orchestral work. This unit of study focuses on the improvement of aural and performance skills and ensemble awareness, strategies for achieving cohesion and refinement of sound and the development of professionalism. The ensemble performs regular showcase concerts and features special arrangements in its repertoire.

### STRG4001

#### Cello Ensemble 8

### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Georg Pedersen **Session:** Semester 1, Semester 2 **Classes:** One 2hr rehearsal/wk **Prerequisites:** STRG4000 Cello Ensemble 7 **Assessment:** A final grade will be compiled from continual assessment of ensemble skills demonstrated during weekly rehearsals (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Cello Ensemble 1-8 provides advanced cellists with repertoire and performance challenges surpassing cello parts in many chamber and orchestral work. This unit of study focuses on the improvement of aural and performance skills and ensemble awareness, strategies for achieving cohesion and refinement of sound and the development of professionalism. The ensemble performs regular showcase concerts and features special arrangements in its repertoire.

### STRG4002

#### Double Bass 7 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG3003 Double Bass 6 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### STRG4004

#### Double Bass 8 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG4002 Double Bass 7 (Major) **Assessment:** Recital at Senior level assessed by Panel: 50mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### STRG4006

#### Guitar 7 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gregory Pikler **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG3005 Guitar 6 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### STRG4008

#### Guitar 8 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Gregory Pikler **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG4006 Guitar 7 (Major) **Assessment:** Recital at Senior level assessed by Panel: 50mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## STRG4010

### Harp 7 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG3007 Harp 6 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## STRG4011

### Harp 8 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG4010 Harp 7 (Major) **Assessment:** Recital at Senior level assessed by Panel: 50mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## STRG4014

### Guitar 7 (Minor)

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Gregory Pikler **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG3017 Guitar 6 (Minor) at Distinction level **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## STRG4015

### Guitar 8 (Minor)

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Gregory Pikler **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG4014 Guitar 7 (Minor) at Credit level **Assessment:** Jury exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## STRG4016

### Strings Performance Class 7

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Gregory Pickler **Session:** Semester 1, Semester 2 **Classes:** One 2hr class/wk **Prerequisites:** STRG3019 Strings Performance Class 6 **Assessment:** 1. Reflective journal demonstrating the student's increased understanding and development (max 1500 words) (50%); 2. Recording project (CD) with accompanying descriptive analysis of technical and musical aims of the recorded material (max 500 words) (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

The study of string performance requires frequent exposure to performance opportunity. Strings Performance Class offers the opportunity for students to perform work in progress and receive

qualified feedback from their peers, lecturers and guests specially invited to the class. The class aims to create a focused and supportive environment in which students can take performance risks. In response to performances the class is invited to discuss technical and musical observations relevant to string playing. All students enrolling in Strings Performance Class must be concurrently enrolled in Principal Study in a string instrument.

## STRG4017

### Strings Performance Class 8

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Gregory Pickler **Session:** Semester 1, Semester 2 **Classes:** One 2hr class/wk **Prerequisites:** STRG4016 Strings Performance Class 7 **Assessment:** 1. Reflective journal demonstrating the student's increased understanding and development (max 1500 words) (50%); 2. Recording project (CD) with accompanying descriptive analysis of technical and musical aims of the recorded material (max 500 words) (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

The study of string performance requires frequent exposure to performance opportunity. Strings Performance Class offers the opportunity for students to perform work in progress and receive qualified feedback from their peers, lecturers and guests specially invited to the class. The class aims to create a focused and supportive environment in which students can take performance risks. In response to performances the class is invited to discuss technical and musical observations relevant to string playing. All students enrolling in Strings Performance Class must be concurrently enrolled in Principal Study in a string instrument.

## STRG4018

### Viola 7 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG3021 Viola 6 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## STRG4020

### Viola 8 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG4018 Viola 7 (Major) **Assessment:** Recital at Senior level assessed by Panel: 50mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## STRG4022

### Violin 7 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG3023 Violin 6 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).



Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### STRG4024

##### Violin 8 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG4022 Violin 7 (Major) **Assessment:** Recital at Senior level assessed by Panel: 50mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### STRG4026

##### Violoncello 7 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG3025 Violoncello 6 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### STRG4028

##### Violoncello 8 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG4026 Violoncello 7 (Major) **Assessment:** Recital at Senior level assessed by Panel: 50mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### STRG4032

##### Violin 7 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG3027 Violin 6 (Minor) at Distinction level **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### STRG4035

##### Violin 8 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** STRG4032 Violin 7 (Minor) at Credit level **Assessment:** Jury exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### STRG4041

##### Guitar Ensemble 7

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 2hr rehearsal/wk **Prerequisites:** STRG3038 Guitar Ensemble 6 **Assessment:** A final grade will be compiled from continual assessment of ensemble skills demonstrated during weekly rehearsals and all ensemble performances (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies(Hons), B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Undergraduate and postgraduate students will attend a weekly rehearsal/seminar involving sight-reading, new repertoire and preparation towards one or more guitar ensemble performances in the semester. Students will be required to attend all rehearsals/seminars within the semester and they will prepare and perform repertoire with the ensemble working under the direction of an ensemble leader.

#### STRG4042

##### Guitar Ensemble 8

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 2hr rehearsal/wk **Prerequisites:** STRG4041 Guitar Ensemble 7 **Assessment:** A final grade will be compiled from continual assessment of ensemble skills demonstrated during weekly rehearsals and all ensemble performances (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies(Hons), B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Undergraduate and postgraduate students will attend a weekly rehearsal/seminar involving sight-reading, new repertoire and preparation towards one or more guitar ensemble performances in the semester. Students will be required to attend all rehearsals/seminars within the semester and they will prepare and perform repertoire with the ensemble working under the direction of an ensemble leader.

#### STRG4607

##### Double Bass 7

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** STRG3606 Double Bass 6 **Corequisites:** STRG4707 Double Bass 7 (Adv) **Assessment:** Teacher Assessment 100% **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Principal Study Double Bass 1-8 provides the opportunity to study double bass performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

#### STRG4608

##### Double Bass 8

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and

performance workshops/week **Prerequisites:** STRG4607 Double Bass 7 **Corequisites:** STRG4708 Double Bass 8 (Adv) **Assessment:** 50 minute senior recital (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Principal Study Double Bass 1-8 provides the opportunity to study double bass performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in these units of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

### STRG4617

#### Guitar 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** STRG3616 Guitar 6 **Corequisites:** STRG4717 Guitar 7 (Adv) **Assessment:** Teacher Assessment 100% Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Principal Study Guitar 1-8 provides the opportunity to study guitar performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a substantial commitment towards individual, daily practice.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry.

### STRG4618

#### Guitar 8

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** STRG4617 Guitar 7 **Corequisites:** STRG4718 Guitar 8 (Adv) **Assessment:** 50 minute senior recital (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Principal Study Guitar 1-8 provides the opportunity to study guitar performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop

instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a substantial commitment towards individual, daily practice.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry.

### STRG4627

#### Harp 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** STRG3626 Harp 6 **Corequisites:** STRG4727 Harp 7 (Adv) **Assessment:** Teacher Assessment 100% Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Principal Study Harp 1-8 provides the opportunity to study harp performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a substantial commitment towards individual, daily practice.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry.

### STRG4628

#### Harp 8

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** STRG4627 Harp 7 **Corequisites:** STRG4728 Harp 8 (Adv) **Assessment:** 50 minute senior recital (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Principal Study Harp 1-8 provides the opportunity to study harp performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill

areas under the guidance of individual teachers. It is expected that students make a substantial commitment towards individual, daily practice.

Students enrolled in all other relevant degrees will be able to refine instrumental foundations, build musical and artistic skills and personal attributes essential to a flexible and broad engagement with musical performance as a teacher, performer or in related fields of the music industry.

### STRG4647

#### Viola 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** STRG3646 Viola 6 **Corequisites:** STRG4747 Viola 7 (Adv) **Assessment:** Teacher Assessment 100% Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Principal Study Viola 1-8 provides the opportunity to study viola performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

### STRG4648

#### Viola 8

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** STRG4647 Viola 7 **Corequisites:** STRG4748 Viola 8 (Adv) **Assessment:** 50 minute senior recital (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Principal Study Viola 1-8 provides the opportunity to study viola performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

### STRG4667

#### Violin 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** STRG3666 Violin 6 **Corequisites:** STRG4767 Violin 7 (Adv) **Assessment:** Teacher Assessment

100% Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Principal Study Violin 1-8 provides the opportunity to study violin performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

### STRG4668

#### Violin 8

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** STRG4667 Violin 7 **Corequisites:** STRG4768 Violin 8 (Adv) **Assessment:** 50 minute senior recital (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Principal Study Violin 1-8 provides the opportunity to study violin performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

### STRG4677

#### Violoncello 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** STRG3676 Violoncello 6 **Corequisites:** STRG4777 Violoncello 7 (Adv) **Assessment:** Teacher Assessment 100% Assessment Criteria: - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Principal Study Violoncello 1-8 provides the opportunity to study cello performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed

aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

### STRG4678

#### Violoncello 8

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** STRG4677 Violoncello 7 **Corequisites:** STRG4778 Violoncello 8 (Adv) **Assessment:** 50 minute senior recital (80%); Teacher assessment of semester work (20%). Students must pass both assessment components. **Assessment Criteria:** - technical and musical progress achieved - commitment and effectiveness of practice - quality of performance in regard to: instrumental technique, intonation, sound production and bow technique, interpretative conception, projection and confidence **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Principal Study Violoncello 1-8 provides the opportunity to study cello performance in accordance with internationally recognized standards of performance excellence.

Performers who are enrolled in the Diploma of Music or Bachelor of Music Performance degree will have an opportunity to develop instrumental, musical and artistic skills and personal attributes essential to a career as a performer in this unit of study. Achieving excellence in instrumental performance requires a natural and effortless technical facility, profound understanding of interpretative concepts, a developed aural and artistic imagination and performance experience of a wide range of stylistically diverse repertoire. Students develop these skill areas under the guidance of individual teachers. It is expected that students make a consistent commitment towards a minimum of 4 hours of individual practice per day.

### STRG4707

#### Double Bass 7 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG3606 Double Bass 6 **Corequisites:** STRG4607 Double Bass 7 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015/3018/3019/4016/4017 String Performance Class 1 - 8.*

**Associated degrees:** B Mus (Perf).

Double Bass Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues. The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG4708

#### Double Bass 8 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG4707 Double Bass 7 (Adv) **Corequisites:** STRG4608 Double Bass 8 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015/3018/3019/4016/4017 String Performance Class 1 - 8.*

**Associated degrees:** B Mus (Perf).

Double Bass Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues.

The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG4717

#### Guitar 7 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG3616 Guitar 6 **Corequisites:** STRG4617 Guitar 7 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015/3018/3019/4016/4017 String Performance Class 1 - 8.*

**Associated degrees:** B Mus (Perf).

Guitar Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues.

The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG4718

#### Guitar 8 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG4717 Guitar 7 (Adv) **Corequisites:** STRG4618 Guitar 8 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015/3018/3019/4016/4017 String Performance Class 1 - 8.*

**Associated degrees:** B Mus (Perf).

Guitar Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues.

The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes

aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG4727

#### Harp 7 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG3626 Harp 6 **Corequisites:** STRG4627 Harp 7 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015/3018/3019/4016/4017 String Performance Class 1 - 8.*

**Associated degrees:** B Mus (Perf).

Harp Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues. The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG4728

#### Harp 8 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG4727 Harp 7 (Adv) **Corequisites:** STRG4628 Harp 8 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015/3018/3019/4016/4017 String Performance Class 1 - 8.*

**Associated degrees:** B Mus (Perf).

Harp Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues. The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG4747

#### Viola 7 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG3646 Viola 6 **Corequisites:** STRG4647 Viola 7 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015/3018/3019/4016/4017 String Performance Class 1 - 8.*

**Associated degrees:** B Mus (Perf).

Viola Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues.

The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG4748

#### Viola 8 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG4747 Viola 7 (Adv) **Corequisites:** STRG4648 Viola 8 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015/3018/3019/4016/4017 String Performance Class 1 - 8.*

**Associated degrees:** B Mus (Perf).

Viola Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues. The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG4767

#### Violin 7 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG3666 Violin 6 **Corequisites:** STRG4667 Violin 7 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015/3018/3019/4016/4017 String Performance Class 1 - 8.*

**Associated degrees:** B Mus (Perf).

Violin Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues. The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

### STRG4768

#### Violin 8 (Advanced)

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG4767 Violin 7 (Adv) **Corequisites:** STRG4668 Violin 8 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015/3018/3019/4016/4017 String Performance Class 1 - 8.*

**Associated degrees:** B Mus (Perf).

Violin Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues. The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

## STRG4777

### Violoncello 7 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG3676 Violoncello 6 **Corequisites:** STRG4677 Violoncello 7 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015/3018/3019/4016/4017 String Performance Class 1 - 8.*

**Associated degrees:** B Mus (Perf).

Violoncello Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues. The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

## STRG4778

### Violoncello 8 (Advanced)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** A/Prof Goetz Richter **Session:** Semester 1, Semester 2 **Classes:** Strings Performance Class 2 hr/wk plus master classes as required **Prerequisites:** STRG4777 Violoncello 7 (Adv) **Corequisites:** STRG4678 Violoncello 8 **Assessment:** 2 seminar performances/presentations; performance project; practice/performance journal; attendance/participation in master classes as required. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in STRG1015/1016/2014/2015/3018/3019/4016/4017 String Performance Class 1 - 8.*

**Associated degrees:** B Mus (Perf).

Violoncello Principal Study (Advanced) provides students enrolled in Bachelor of Music Performance and Diploma of Music with enhanced opportunities to develop performance skills including fluidity, confidence and critical understanding of interpretation. Weekly classes

give students frequent opportunity for performance with a view to developing professional competencies on stage. Classes include constructive feedback from peers and lecturers on performance issues.

The curriculum is determined according to the student's individual instrumental and artistic progression and in a student centered manner. Assessment is relative to the student's semester goals and includes aspects of self-assessment. Students need to be familiar with the use of recording technology at a basic level.

# University undergraduate units of study – T

## THAP1201

### Theories of Art Practice A Sydney College of the Arts

**Credit points:** 4 **Teacher/Coordinator:** Dr Ann Elias **Session:** Semester 1  
**Classes:** 2 hours contact and minimum 2 hours for research and study.  
**Corequisites:** MSTD1111, MSTD1121, FRES1001, MDRW1013 or MDRW1011, and THAP1211 **Assessment:** Assessment: 500 word essay (30%); 1,500 word essay (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, Visual Arts UG Non-Degree.

#### Contemporary Art: Themes and Theories

This unit of study is designed to enthuse students about contemporary art. We want to show you the exciting work that artists and theorists produce and the breadth and scope of contemporary art on an international scale. While the term 'contemporary' can be interpreted in a variety of ways, this unit encompasses art and ideas most pertinent to the last thirty years. This unit addresses ideas and practices that we consider fundamental knowledge for visual arts practitioners: the concept of the 'everyday', the relevance of disciplines such as philosophy to art criticism, the importance of identity in the practices of artists, the central place of the Body and theories of perception to the work that artists produce, and the many theoretical ideas that emanate from a close study of objects.

#### Textbooks

Wallis B (ed). *Art After Modernism: Rethinking Representation*. New York, New Museum of Contemporary Art, 1984.  
 Collings, Matthew. *This is Modern Art*. London, Seven Dials, 2000.  
 Also refer to THAP Reading List.

## THAP1202

### Theories of Art Practice B Sydney College of the Arts

**Credit points:** 4 **Teacher/Coordinator:** Dr Ann Elias **Session:** Semester 2  
**Classes:** 2 hours contact and minimum 2 hours for research and study.  
**Corequisites:** MSTD1112, MSTD1123, FRES1002, MDRW1014 or MDRW1012, and THAP1212 **Assessment:** Assessment: 500 word essay (30%); 1,500 word essay (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, Visual Arts UG Non-Degree.

#### Looking Back: Nineteenth century origins of Contemporary Art

This unit of study is designed to inform students about the nineteenth century origins of contemporary art. We consider the cultural period known as Modernity and the art movement known as Modernism. This unit addresses ideas and practices that we consider fundamental knowledge for visual arts practitioners: the concept of modern art and the modern artist; the modern world and the impact on art of the city, travel, and colonization; the influence of the Romantic Movement; the impact of modern technologies on art; the politics of vision in relation to landscape and the female body; the gendering of aesthetics and divisions in the social roles and practices of men and women.

#### Textbooks

Robert Rosenblum and H.W. Janson, *19th Century Art*, New York, Abrams, 1984.  
 Stephen Eisenman, *Nineteenth Century Art: A Critical History*, London, Thames and Hudson, 1994.

## THAP1211

### Studio Theory A Sydney College of the Arts

**Credit points:** 4 **Teacher/Coordinator:** Mr Oliver Smith **Session:** Semester 1  
**Classes:** 2 hours contact and minimum 2 hours for research and study  
**Corequisites:** MSTD1111, MSTD1121, FRES1001, MDRW1011 or MDRW1013, and THAP1201 **Assessment:** Students are eligible to be assessed for this unit of study if attendance and submission of work requirements are met. For further

information refer to Studio and SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, Visual Arts UG Non-Degree.

This Unit of Study investigates the development of contemporary practice in specific art/craft, aiming to explore historical contexts, the meaning of artworks and contradictory attitudes of artists. Issues inherent to art/craft practices will be explored, from the Industrial Revolution to the present day. Students will be encouraged to investigate historical context and models of practice relating to specific practitioners. Group tutorials/lectures are designed to provide a context for considering particular artists and their work, in order that students can situate their own work in relation to others. Group activities and learning experiences vary from gallery visits to writing and talking projects and presentations to fellow students in your studio area. Involves lectures, seminars and essays from a list of topics. This unit is currently studio based.

#### Painting

The focus in this studio is to examine the fundamentals of painting throughout history. Changing forms of pictorial and constructed space in painting in relation to the relevant historical contexts will be addressed.

#### Sculpture

Ideas dealing with space, the object and the body will be introduced. Themes include the fabricated and the found object, 'objecthood', space and installation, and the nature of performativity.

#### Printmedia

The Gallery: the role of print and drawing within the development of modern art will be looked at. A number of key nineteenth and twentieth century artists will be surveyed and the links between these historical precedents and the practices of a range of contemporary artists will be explored. A series of formal lectures and an extensive programme of gallery visits is included.

#### Photomedia

The focus in this studio is to examine the aesthetic, socio-political and economic ideologies surrounding photography's inception and development in the 19th century. Issues surrounding photographic truth and archives, collective memory, and the many roles of the portrait will be explored. In tandem with photography's early historical developments, how contemporary artists revisit and respond to these ideas within the present day will be examined.

#### Film and Digital Art

Interpreting moving image: beginning with the auteur theory and genre analyses (noir, New Wave, experimental, science fiction) the default interpretative system cinema and media arts inherited from literature will be examined, including the influence which psychoanalysis was to bring to theories of subjectivity, the unconscious, dreaming and the gaze. These developments in moving image parallel those in modernism, particularly painting (Surrealism). More recent shifts track the evolution from reading cinema as a language (the literary model) to Deleuze's philosophically-grounded image-types (affection-image, impulse image, perception-image, large and small forms) and include an analysis of emergent forms of music video and Dogme.

#### Glass

The focus in this studio will be to introduce students to the expressive range of glass, providing a broad overview of how this remarkable medium is used in contemporary art, craft, design and architecture. This is achieved through slide lectures, seminars, group discussion and relevant museum/gallery/studio visits.

#### Ceramics





The focus in this studio will be to provide an overview of key events, movements and innovation in contemporary ceramics praxis after 1945 and identify leading artists, designers and theorists within the field. Differing views of what constitutes a ceramic object will be investigated.

#### Jewellery and Object

The focus in this studio will be to introduce the area of Jewellery and Object making through a broad overview of current practice. Students will explore and examine terms in which work from this discipline area are encountered and can be evaluated, critiqued and how such terminology informs and is informed by the object.

#### Textbooks

Refer to Studio for Reading List.

### THAP1212

#### Studio Theory B

#### Sydney College of the Arts

**Credit points:** 4 **Teacher/Coordinator:** Mr Oliver Smith **Session:** Semester 2 **Classes:** 2 hours contact and minimum 2 hours for research and study **Corequisites:** MSTD1112, MSTD1123, FRES1002, MDRW1012 or MDRW1014, and THAP1202 **Assessment:** Students are eligible to be assessed for this unit of study if attendance and submission of work requirements are met. For further information refer to Studio and SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, Visual Arts UG Non-Degree.

This Unit of Study investigates the development of contemporary practice in specific art/craft, aiming to explore historical contexts, the meaning of artworks and contradictory attitudes of artists. Issues inherent to art/craft practices will be explored, from the Industrial Revolution to the present day. Students will be encouraged to investigate historical context and models of practice relating to specific practitioners. Group tutorials/lectures are designed to provide a context for considering particular artists and their work, in order that students can situate their own work in relation to others. Group activities and learning experiences vary from gallery visits to writing and talking projects and presentations to fellow students in your studio area. Involves lectures, seminars and essays from a list of topics. This unit is currently studio based.

#### Painting

The focus in this studio is to analyse painting as object and includes a critique of its exhibition and display particularly within the context of contemporary art. The work of arts in both the international and local contexts will be examined to provide an understanding of the 'extended' field of painting.

#### Sculpture

Expands on themes from the previous semester while interrogating such themes as the role of the object within institutionalised space; different forms and theories of performance practice; the relationship between object, culture and context; the cross-relationship between the object, the subject and the institution.

#### Printmedia

The Street: The historical role of print as a communications medium will be examined. The part this has played in instigating cultural and political change over the past 150 years will be explored. Focusing on early modernism through to pop art, the way in which artists used posters, magazines other public media as vehicles for their ideas and cultural interventions will be explored. These historical precedents are then linked to the work of recent artists.

#### Photomedia

The focus in this studio is on a major Sydney art exhibition (such as the Sydney Biennale) to consider current directions in photomedia practice in light of contemporary art debates. Drawing on and expanding the themes of semester one, we continue our enquiry into dialogues between past and present manifestations of the medium.

#### Film and Digital Art

The Study of Narratology provides the vocabulary and conceptual structures through which to analyse continuing experimentation and evolution in narrative across multiple fields in digital arts. Beginning with Propp and his analysis of plot-functions, core shifts in narrative

practice in the twentieth century with emphasis on intermedia borrowings and practices will be signposted. Hypertext, soft video and database works are traced back to their antecedents in the cultural and social upheavals of the 1960s, in happenings and the cut-ups of modernist prose; metafiction is revisioned in 1950s animated cartoons, and again in contemporary machinemas; emergent narratives of new science are mediated through digital technologies; the function-pairs Propp analysed in Russian folk tales come to shape computer-gaming narratives of MMORPGs; rhizomatic structure provides a platform for cyberfeminist narratives; Deleuze and Guattari's paradigm of becoming-molecular establishes a framework for microsound and works of digital dust.

#### Glass

The use of glass in art, design, craft and architecture will be explored from the industrial revolution into the twentieth century and the inception of the studio glass movement. The focus will be on the impact of technological, cultural and political change during the early part of the twentieth century. Knowledge will be gained and applied in class discussions, seminars, relevant museum/gallery/studio visits and via assessment tasks.

#### Ceramics

The focus in this studio will be to provide the student with the historical precedents to the development of the Studio Ceramics Movement and contemporary Design. This will be achieved through comparative analysis of nineteenth century objects and contemporary ceramic practice. This study will include topics such as the impact of the industrial revolution on the traditional artisan; the resurrection of guilds and the rise of the Arts and Crafts Movement; the relationship of hand and machine; colonization, trade and the impact of Asia-Pacific indigenous craft traditions on Western ceramics.

#### Jewellery and Object

In this studio we will link with core theory by concentrating on understanding historical precedents of the 19th century and how they impact on the critical development of contemporary practice in jewellery and object. Philosophical issues, as well as technological, cultural and social/political contexts impacting on the development of the arts and crafts movement in particular will be explored.

#### Textbooks

Refer to Studio for Reading List.

### THAP2411

#### Theories of Art Practice C

#### Sydney College of the Arts

**Credit points:** 4 **Teacher/Coordinator:** Dr Eril Bailly, Dr Ann Elias, Danie Mellor **Session:** Semester 1 **Classes:** 2 hours of contact and a minimum 2 hours of research and study. **Prerequisites:** THAP1201 and THAP1202 **Assessment:** Refer to unit outline and SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day **Note:** Department permission required for enrolment.

**Associated degrees:** B V A.

'The Historical Avant-garde of the Twentieth Century' looks at the period 1900-1950 in Europe, the U.S.A. and Australia. It considers the material and conceptual challenges posed by abstraction, collage, montage and ready-mades to mainstream art and canonical notions of art. Attention is given to the social and cultural factors and forces that influenced a concept of the avant-garde artist and avant-garde culture.

#### Textbooks

Krauss R. The Originality of the Avant-garde and Other Modernist Myths. Cambridge, Mass.: MIT Press, 1985  
Also refer to THAP Reading List.

### THAP2412

#### Theories of Art Practice D

#### Sydney College of the Arts

**Credit points:** 4 **Teacher/Coordinator:** Dr Eril Bailly, Dr Ann Elias, Danie Mellor **Session:** Semester 2 **Classes:** 2 hours of contact and a minimum 2 hours of research and study. **Prerequisites:** THAP1202 and THAP2411 **Assessment:** Refer to unit outline and SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day **Note:** Department permission required for enrolment.



**Associated degrees:** B V A.

'Postmodernity and Contemporary Critique' focuses on a detailed analysis of postmodern practice and theory as they emerged through a growing critique of Western modernity. The unit examines the historical specificity of postmodernism in the visual arts and introduces a range of debates surrounding postmodern subjects, technology and culture.

*Textbooks*

Jencks C (ed). The Postmodern Reader London: Academy Editions, 1992  
Also refer to THAP Reading List.

#### THAP2421

##### Studio Theory Media Arts C Sydney College of the Arts

**Credit points:** 4 **Teacher/Coordinator:** Anne Ferran (Photmedia), Anne Finnegin (Film and Digital Art) **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** THAP1211 and THAP1212 **Assessment:** Assessment is based on the successful completion of coursework, written and or seminar assignments, as are given throughout the unit, participation and engagement. For further information refer to SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

This unit is split into two streams: Photomedia; and Film and Digital Art.

**Photomedia:** In this stream, we consider various attempts on the part of photography's critics and theorists to define the medium, and conduct our own individual research projects. Topics are selected to provide a window into both photographic history and photo-criticism.

**Film and Digital Art:** The purpose of this set of lectures will be to study the theory and practice surrounding the use of various multimedia techniques, modes of presentation and delineation in pursuing a set of ideas.

*Textbooks*

Refer to Studio Reading List.

#### THAP2422

##### Studio Theory Media Arts D Sydney College of the Arts

**Credit points:** 4 **Teacher/Coordinator:** Anne Ferran (Photmedia), Anne Finnegin (Film and Digital Art) **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** THAP2421 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments, as are given throughout the unit, participation and engagement. For further information refer to SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

This unit is split into two streams: Photomedia; and Film and Digital Art.

**Photomedia:** In this stream we approach photography via the work of selected contemporary and historical practitioners, in order to understand photography's key place in contemporary art practice.

**Film and Digital Art:** From a range of study-group seminars, film-screenings and new media presentations and readings, students will be introduced to contemporary criticism and interpretation of moving image culture. Historical and theoretical issues will be examined, as well as the relation of theory to studio work through a more formalised process.

*Textbooks*

Refer to Studio Reading List.

#### THAP2431

##### Studio Theory Fine Arts C Sydney College of the Arts

**Credit points:** 4 **Session:** Semester 1 **Classes:** 2 hours weekly **Prerequisites:** THAP1211 and THAP1212 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments, as are given throughout the unit, participation and engagement. For further information refer to SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

This unit addresses the critical moments of change in the visual arts, beginning in the early part of the 20th century and moving through to the present. In particular, the key Modernist movements are considered in the broader political and socio/cultural contexts, from the early Russian Avant-garde to Minimalism and beyond.

*Textbooks*

Refer to Studio Reading List

#### THAP2432

##### Studio Theory Fine Arts D Sydney College of the Arts

**Credit points:** 4 **Session:** Semester 2 **Classes:** 2 hours weekly **Prerequisites:** THAP2431 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments, as are given throughout the unit, participation and engagement. For further information refer to SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

This unit focuses on the relationship between an artist's work and the ideas that have directed its making. Using the work of artists as a framework, students examine how materials, traditional and digital processes, and historical contexts all play a part in giving a work of art its meaning. Students will participate in exhibition visits, critical discussion and analysis of artworks, make individual presentations and complete a written assignment.

*Textbooks*

Refer to Studio Reading List

#### THAP2441

##### Studio Theory Object Art and Design C Sydney College of the Arts

**Credit points:** 4 **Session:** Semester 1 **Classes:** 2 hours weekly **Prerequisites:** THAP1211 and THAP1212 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments, as are given throughout the unit, participation and engagement. For further information refer to SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Studio Theory investigates the development of contemporary object art and design practices within the contexts of developments in the last 100 years. The focus will be on developing an understanding of the link between craft/design practices and movements and development in the visual arts as a whole. We will look closely at how various avant-garde movements impacted and continue to influence object-making practices. The aim in focusing on the avant-garde is to develop an understanding of the complex relationships that exist between the various art practices and how they developed. We will investigate and expand on existing understandings of historical developments, connections and precedents, philosophical and social/political issues. The unit will also provide a link with core art theory, which this semester investigates the concept of avant-garde art and culture.

*Textbooks*

Unit reader and such texts as relevant to student research.

#### THAP2442

##### Studio Theory Object Art and Design D Sydney College of the Arts

**Credit points:** 4 **Session:** Semester 2 **Classes:** 2 hours weekly **Prerequisites:** THAP2441 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments, as are given throughout the unit, participation and engagement. For further information refer to SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Virtual and handmade

This class will develop various notions associated with 'the virtual' of relevance within contemporary craft practice. Students will be encouraged to investigate how issues of virtuality engage with and enable contemporary studio practice. This will be achieved by specifically focusing investigation upon new materials and processes, the representation and dissemination of objects through various media, the work of contemporary practitioners and a variety of theoretical material.

#### Textbooks

Unit reader and such texts as relevant to student research.

### THAP2611

#### Theories of Art Practice C Sydney College of the Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Eril Bailly **Session:** Semester 1 **Classes:** 2 hours of contact and a minimum 2 hours of research and study. **Prerequisites:** THAP1201 and THAP1202 **Prohibitions:** THAP2411 **Assessment:** Minor essay 1,000 words (30%); major essay 2,000 words (70%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

#### The Historical Avant-Garde and Contemporary Practice

This unit continues the enquiry into the antecedents to contemporary visual arts as discussed in 1st Year, 2nd Semester. However, this semester there is detailed discussion of the concept of Avant-Garde art and culture, and presents the ambitions of the Historical Avant-Garde in Western Society in the first half of the Twentieth century. It investigates the material and conceptual challenges posed by advances in technology (the new media of that time), World War 1, and the rise of mass production to mainstream art and canonical notions of art. Of major importance are the claims made by the Avant-Garde to radicality, rupture and revolution and their impact on contemporary visual culture.

#### Textbooks

Walter Benjamin: *The Work of Art in the Age of Mechanical Reproduction*, in *Illuminations*, New, Schocken Books, 1969.

### THAP2612

#### Theories of Art Practice D Sydney College of the Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Eril Bailly **Session:** Semester 2 **Classes:** 2 hours of contact and a minimum 2 hours of research and study. **Prerequisites:** THAP2611 **Prohibitions:** THAP2412 **Assessment:** 1 team presentation (30%); major essay 2,000 words (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

#### Postmodernity and Critical Practices

This unit critically examines the conditions and context of postmodern culture and theory as they emerged through a growing critique of Western modernity. By radically questioning the concepts of history, progress and the Subject, Postmodernism gives voice to 'The Other' and foregrounds the politics of gender, and ethnicity and positions contemporary cultural practices as discourses of intervention and change. These concerns are situated within the context of the growing influence of information technology on the development of contemporary visual arts. The course encourages a critical perspective to postmodernity and asks the question 'What was the Postmodern?'

#### Textbooks

Hassan, Ihab 'Schematic Differences Between Modernism and Postmodernism' in *The Culture of Postmodernism: theory, culture and society* Vol.2, 1985.

### THAP2621

#### Studio Theory Media Arts C Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Photmedia: Ms Anne Ferran Film and Digital Art: Ms Josephine Starrs **Session:** Semester 1 **Classes:** 2 hours contact and minimum 2 hours for research and study **Prerequisites:** THAP1211 and THAP1212 **Prohibitions:** THAP2421 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments as are given throughout the unit, and participation and engagement. For further

information refer to Studio and SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Unit of Study is split into two areas: Photomedia; Film and Digital Art.

#### Photomedia

The focus in this Studio is the exploration of ways of critically interpreting photographs and of understanding a range of photographic practices. Topics such as memory, time, evidence, and the everyday, are selected to provide windows into both photographic history and key aspects of photo-criticism.

#### Film and Digital Art

##### The Electronic Image: Unpredictable Encounters

Across a wide range of electronic imaging platforms and issues students will study the interplay between technological possibilities, chance and manifestation of the idea (social, philosophical, cultural, aesthetic). As such students will come to a deeper understanding of the artistic process; also the history of the unpredictable encounters of the electronic image in its mediation of personal and public concerns.

#### Textbooks

##### Photomedia

Bolton, Richard (ed.). *The Contest of Meaning: Critical Histories of Photography* Cambridge, Mass.: MIT Press, 1989.

Squiers, Carol (ed.). *The Critical Image*, Seattle: Bay Press, 1990.

French, Blair (ed.). *Photofiles: An Australian Photography Reader*, Sydney: Power Institute and Australian Centre for Photography, 1999.

##### Film and Digital Art

Deleuze, Gilles. *Cinema 1* (Minneapolis: University of Minnesota Press, 1986). Lupton, Catherine. *Chris Marker: Memories of the Future*. London: Reaktion Books, 2006, 87-97.

### THAP2622

#### Studio Theory Media Arts D Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Photmedia: Anne Ferran Film and Digital Art: Josephine Starrs **Session:** Semester 2 **Classes:** 2 hours contact and minimum 2 hours for research and study **Prerequisites:** THAP2621 **Prohibitions:** THAP2422 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments as are given throughout the unit, and participation and engagement. For further information refer to Studio and SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Unit of Study is split into two areas: Photomedia; Film and Digital Art.

#### Photomedia

The focus in this studio will be to approach photography via the work of selected contemporary and historical practitioners, in order to understand photography's key place in contemporary art practice. We will consider photography's role in relationship to themes such as: new documentary practices, identity politics, and performance.

#### Film and Digital Art

This module is designed in two parts: the study of documentary and non fiction forms, and television as an everyday phenomena, including its expansions into the internet and mobile media forms. The first part traces the complex history of documentary as it evolved from the late nineteenth and twentieth century, including its critical reception and theoretical, cultural and technical considerations. The second part examines the 'box' as a regulatory and programmable force through psychological, philosophical and cultural theorizations, including television's hyped liveness, its manipulation of desire and subjectivity, and postmodern schizophrenia as a manifestation of its induced crisis in temporality.

#### Textbooks

##### Photomedia

Bright, Deborah (ed.). *The Passionate Camera: Photography and Bodies of Desire*, London/New York: Routledge, 1998.

Compagny, David (ed.). *Art and Photography*, London: Phaidon, 2003.

Green, David. (ed.), *Where is the Photograph?* Brighton/Kent: Photoforum/Photoworks, 2003.  
 Film and Digital Art  
 John Grierson, "First Principles of Documentary." (1932-4) In *Imagining Reality*, Eds. Kevin McDonald & Mark Cousins, London & Boston: Faber and Faber, 1998 97-103.  
 Baudrillard, Jean. "Requiem for the Media." Monfort, N. & Wardrip-Friem. *The New Media Reader* (Cambridge, Mass.: MIT Press, 2003) 277-288.

### THAP2631

#### Studio Theory Fine Arts C Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Painting: Associate Professor Brad Buckley Sculpture: Ms Margaret Seymour Printmedia: Mr Justin Trendall  
**Session:** Semester 1 **Classes:** 2 hours contact and minimum 2 hours for research and study **Prerequisites:** THAP1211 and THAP1212 **Prohibitions:** THAP2431 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments and participation and engagement. For further information refer to Studio and SCA assessment criteria.  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Unit of Study is split into three areas: Painting; Sculpture; Printmedia

##### Painting

The focus in this studio is to address some of the critical moments of change in the visual arts from the early to later part of the 20th Century, by considering the key Modernist movements in the broader political, social, and gender, and racial context from the early Russian Avant Garde, De Stijl, Dada, Fluxus, Conceptualism, Minimalism, High Pop and on into the 80s

##### Sculpture

The focus in this studio is to identify and critically evaluate a number of the issues, methodologies and artists that have been instrumental in defining the key moments of Modernism within contemporary sculptural practice. The study format combines formal presentations, reading group discussions and student seminar presentations.

##### Printmedia

Contemporary Art: Focusing on the art of the last past ten years, in the the first semester the idea of contemporary art in its broadest sense is explored, developing an appreciation of its breadth and diversity as well as establishing a clearer understanding of its connections to modernist art. Connections between art, technology and cultural change are a key theme.

##### Textbooks

##### Painting

This is a studio - driven program focusing on the practices of artists as primary research and supported with the relevant theoretical frameworks. Consequently these references are subject to change and will be advised in the UoS outline at the beginning of semester.

##### Sculpture

Fisher, Philip. *Making and effacing art: modern American art in a culture of museums*, New York : Oxford University Press, 1991.

Battcock, Gregory, ed., *Minimal Art: A Critical Anthology*, New York: Dutton, 1968.

Causey, Andrew. *Sculpture since 1945*, Oxford; New York: Oxford University Press, 1998.

Krauss, Rosalind. *Passages in modern sculpture*, London: Thames and Hudson, 1977.

##### Printmedia

Hoptman, Laura J. *Drawing now : eight propositions*, New York: Museum of Modern Art, 2002.

Stallabrass, Julian. *High art lite : British art in the 1990s* London : Verso, 1999.

Ice cream : contemporary art in culture, London : Phaidon, 2007.

### THAP2632

#### Studio Theory Fine Arts D Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Painting: Dr Debra Dawes Sculpture: Dr Adam Geczy Printmedia: Mr Justin Trendall **Session:** Semester 2 **Classes:** 2 hours contact and minimum 2 hours for research and study **Prerequisites:** THAP2631 **Prohibitions:** THAP2432 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments, as are given throughout the unit, and participation and engagement. For further information refer to Studio and SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Unit of Study is split into three areas: Painting; Sculpture; Printmedia

##### Painting

Significant issues in art and related critical writing that have refashioned avant-garde practices since the 60s will be examined, with the primary focus on artists working within a discursive field. The aim is to provide students with an understanding of the connection between the object, that is the creative work, and the theoretical premise in related texts.

##### Sculpture

An investigation into multi-media and trans-media practices. A primary concern will be a sound understanding of conceptual art since the 1960s and its redefinition of the object as a vector of an idea as opposed to an artifact. Another will be the ways in which technology has moulded our expectations of the art object/experience, particularly in relation to ideas such as interactivity and immersion.

##### Printmedia

Here and Now: Using the broad understanding of contemporary art established in semester one, we move on to look at the way in which a range of print and drawing based artists have developed their own practices in both local and international contexts. The way in which local art practices are connected to international cultural movements is explored; and we look at how individual artists and designers have responded to the emergence of global culture.

##### Textbooks

##### Painting

This is a studio - driven program focusing on the practices of artists as primary research and supported with the relevant theoretical frameworks. Consequently these references are subject to change and will be advised on the UoS outline at the beginning of semester.

##### Sculpture

Buchloch, Benjamin ed., *Broodthaers*, Cambridge, Mass.: MIT Press 1987.

Hansen, Mark, *New Philosophy for New Media*, Cambridge, Mass.: MIT Press, 2004.

Kaprow, Alan, *Essays on the Blurring of Art and Life*, ed. Jeff Kelly, Berkeley and Los Angeles, University of California Press. 1993.

Kelly, Mary, *Post-Partum Document*, London: Routledge, 1983.

##### Printmedia

Illusive 2 - contemporary illustration and its context, Berlin, Die Gestalten Verlag, 2007.

Contemporary art in print, London: Paragon, c2001.

Grishin, Sasha. *Australian printmaking in the 1990s*, Sydney: Craftsman House, 1997.

Klanten, R and Hellige, H (ed). [www.davidshrigley.com](http://www.davidshrigley.com)

### THAP2641

#### Studio Theory Object Art and Design C Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Glass: Mr Andrew Lavery Ceramics: Ms Jan Guy Jewellery and Object: Ms Karin Findeis **Session:** Semester 1 **Classes:** 2 hours contact and minimum 2 hours for research and study **Prerequisites:** THAP1211 and THAP1212 **Prohibitions:** THAP2441 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments and participation and engagement. For further information refer to Studio and SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Modernism and its Discontents: Old Stories, New Tales

This Unit of Study is split into three areas: Ceramics; Glass; Jewellery and Object

Various specifics are dealt with for students within each studio area.

The unit of study investigates the development of contemporary Object Art and Design within the context of historical precedents and developments in the last hundred years. The focus is on developing an understanding of the link between craft/design practices and movements in the visual arts as a whole.

(Please note due to changes in class sizes course content may be modified)

##### Glass

In this studio we will work our way forward, focusing on the effect of the Historical Avant-garde and the emergence of design cultures and the studio glass movement. The course provides a broad exploration and interrogation of discipline specific glass in these movements/genres and cultures through to contemporary practice.

#### Ceramics

The focus in this studio will be to examine ceramics praxis and craft and design theories in relation to mainstream Modernism with a specific focus on the parallels and dichotomies found between craft and the Historical Avantgarde. The influence of early twentieth century practitioners and the theories and philosophies pertaining to their work on contemporary ceramics practice will be established. A range of issues will be discussed including: what is non-art? what is non-craft? - modernist definitions and paradoxes; definitions of craft - materiality, process and aesthetics; craft as foundation of modernism; craft as subversion in contemporary art practice.

#### Jewellery and Object

In this studio we will look at the complex relationship between the various art practices, and will investigate and expand on existing understandings of historical developments, connections and precedents of contemporary practice. A link will also be provided to core art theory, which this semester investigates avant-garde art and culture.

#### Textbooks

##### Glass

Adamson, Glenn Thinking Through Craft Berg, UK, 2007.

Greenhalgh, Paul (ed). The Persistence of Craft: the applied arts today, A & C Black, London, 2003.

##### Ceramics

Adamson, Glenn Thinking Through Craft Berg, UK, 2007.

Risatti, Howard A Theory of Craft: function and aesthetic expression The University of North Carolina Press, USA, 2007.

##### Jewellery and Object

Greenhalgh, Paul The Modern Ideal: The Rise and Collapse of Idealism in the Visual Arts, From the Enlightenment to Postmodernism, V&A, London, 2005.

John Thackara. Design after modernism : beyond the object. New York, N.Y: Thames and Hudson, 1988.

#### THAP2642

##### Studio Theory Object Art and Design D

##### Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Ms Joyce Hinterding **Session:** Semester 2 **Classes:** 2 hours contact and minimum 2 hours for research and study **Prerequisites:** THAP2641 **Prohibitions:** THAP2442 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments and participation and engagement. For further information refer to Studio and SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

#### The Virtual and Handmade

This Unit of Study combines three areas: Ceramics; Glass; Jewellery and Object

The unit of study aims to introduce practitioners to philosophies and praxis surrounding the relationship between traditional craft and design models and our engagement with virtual technologies and recent innovations in materials and methods. This will be achieved by specifically focusing investigations upon new technologies, materials and process, the representation and dissemination of objects through various media, the work of contemporary practitioners and a variety of theoretical material that explores some aspect of the virtual.

Students will be encouraged to investigate how issues of virtuality engage with and enable contemporary practice.

(Please note due to changes in class sizes course content may be modified)

#### Textbooks

McCullough, Malcolm Abstracting Craft: the practiced digital hand, MIT Press, 1996.

Popper, Frank From Technology to Virtual Art MIT Press, Cambridge 2005.

Pierre Lévy, Becoming virtual: reality in the Digital Age, Plenum Trade, c1998.

#### THAP3301

##### Theories of Art Practice E

#### Sydney College of the Arts

**Credit points:** 4 **Teacher/Coordinator:** Dr Eril Bailly, Dr Ann Elias, Danie Mellor **Session:** Semester 1 **Classes:** 2 hours of contact and a minimum 2 hours of research and study. **Prerequisites:** THAP2412 and THAP1202 **Assessment:** Refer to unit outline and SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

'Contemporary Art in Australia and the Asia-Pacific' focuses on the dynamics between different Australian and Asian-Pacific cultures and their impact on contemporary Australian and Asian-Pacific visual arts. The unit analyses and debates a range of issues such as identity, difference, hybridity and regional specificity.

#### Textbooks

Burn I et.al.. The Necessity of Australian Art. Sydney: Power Publications, 1988  
Also refer to THAP Reading List.

#### THAP3302

##### Theories of Art Practice F

##### Sydney College of the Arts

**Credit points:** 4 **Teacher/Coordinator:** Dr Eril Bailly, Dr Ann Elias, Danie Mellor **Session:** Semester 2 **Classes:** 2 hours of contact and a minimum 2 hours of research and study. **Prerequisites:** THAP3301 and THAP1202 **Assessment:** Refer to unit outline and SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

This unit is designed to give students a more advanced encounter with issues, concepts and topics relevant to contemporary visual arts practitioners. It concentrates on the history of ideas and the contemporary relevance of these ideas. Options are offered in areas including 'Time Technology and Memory', 'Theories of the Object for Artists', 'Artists as Writers', 'Contemporary Australian and Aboriginal Art'.

#### Textbooks

Refer to THAP Reading List.

#### THAP3321

##### Studio Theory Media Arts E

##### Sydney College of the Arts

**Credit points:** 4 **Teacher/Coordinator:** Tanya Peterson (Photomedia), John Conomos (Film and Digital Art) **Session:** Semester 1 **Classes:** 2 hours per week **Prerequisites:** THAP2422 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments, as are given throughout the unit, participation and engagement. For further information refer to SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

This unit is split into two streams: Photomedia; and Film and Digital Art.

Photomedia: In this stream we approach photography via the work of selected contemporary and historical practitioners, in order to understand photography's key place in contemporary art practice.

Film and Digital Art: In the Film and Digital Art stream we examine the historical and theoretical frameworks of digital video, film, multimedia and web-art.

#### Textbooks

Refer to Studio Reading List

#### THAP3322

##### Studio Theory Media Arts F

##### Sydney College of the Arts

**Credit points:** 4 **Teacher/Coordinator:** Tanya Peterson (Photomedia), John Conomos (Film and Digital Art) **Session:** Semester 2 **Classes:** 2 hours per week **Prerequisites:** THAP3321 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments, as are given throughout the unit, participation and engagement. For further information refer to SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

This unit is a continuation of THAP3321.

#### Textbooks

Refer to Studio Reading List

### THAP3331

#### Studio Theory Fine Arts E Sydney College of the Arts

**Credit points:** 4 **Session:** Semester 1 **Classes:** 2 hours weekly **Prerequisites:** THAP2432 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments, as are given throughout the unit, participation and engagement. For further information refer to SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

This unit examines significant issues in art and related critical writing, in particular developments in the modes and strategies of art since the 1960s that have re-fashioned avant-garde practice. This includes an analysis of the art object and a critique of its exhibition and display.

#### Textbooks

Unit reader and texts as prescribed by the lecturer.

### THAP3332

#### Studio Theory Fine Arts F Sydney College of the Arts

**Credit points:** 4 **Session:** Semester 2 **Classes:** 2 hours weekly **Prerequisites:** THAP3331 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments, as are given throughout the unit, participation and engagement. For further information refer to SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

This unit aims to consolidate students' understanding of the critical debates surrounding contemporary art at the beginning of the 21st Century and to identify and critically evaluate key issues and methodologies by which artists define their own practice within broader historical contexts.

#### Textbooks

Unit reader and texts as prescribed by the lecturer.

### THAP3341

#### Studio Theory Object Art and Design E Sydney College of the Arts

**Credit points:** 4 **Session:** Semester 1 **Classes:** 2 hours weekly **Prerequisites:** THAP2442 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments, as are given throughout the unit, participation and engagement. For further information refer to SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

Virtual and handmade

This class will develop various notions associated with 'the virtual' of relevance within contemporary craft practice. Students will be encouraged to investigate how issues of virtuality engage with and enable contemporary studio practice. This will be achieved by specifically focusing investigation upon new materials and processes, the representation and dissemination of objects through various media, the work of contemporary practitioners and a variety of theoretical material.

#### Textbooks

Such texts as are relevant to student research or are provided to the class.

### THAP3342

#### Studio Theory Object Art and Design F Sydney College of the Arts

**Credit points:** 4 **Session:** Semester 2 **Classes:** 2 hours weekly **Prerequisites:** THAP3341 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments, as are given throughout the unit, participation and engagement. For further information refer to SCA

assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A.

This unit focuses on professional issues including development of a portfolio, galleries relationship, arts law and copyright issues. It aims to equip the student with the skills appropriate to maintaining a sound visual arts practice.

#### Textbooks

Such texts as are relevant to student research or are provided to the class.

### THAP3401

#### Theories of Art Practice E Sydney College of the Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Danie Mellor **Session:** Semester 1 **Classes:** 2 hours of contact and a minimum 2 hours of research and study. **Prerequisites:** THAP2612 or both THAP2412 and THAP1202 **Prohibitions:** THAP3301 **Assessment:** 1 team presentation (30%); 1 major essay 2,500 words (70%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

Cultural Contexts and Production of Contemporary Art focuses on an investigation of the dynamics and relationships that link a broad variety of contemporary art practices within Australia, the Asia-Pacific region and beyond. Australia's relations with aspects of its own cultures and those of the Asia-Pacific region are examined as is a re-evaluation of the Western Canon and its role in cultural and artistic practice. This unit analyses and debates a range of issues related to concepts including centre-periphery, identity, cultural exchange and commodification.

#### Textbooks

Papastergiadis, Nikos (ed.) Complex Entanglements: art, globalisation and cultural difference Rivers Oram Publishers Ltd, London, 2003.

### THAP3402

#### Theories of Art Practice F Sydney College of the Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Danie Mellor **Session:** Semester 2 **Classes:** 2 hours of contact and a minimum 2 hours of research and study. **Prerequisites:** THAP3401 **Prohibitions:** THAP3302 **Assessment:** 1 team presentation (30%); 1 major essay 2,500 words (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

**Note:** In Third Year, 2nd Semester one or other (not both) of the following two Units of Study is offered

#### (i) Technology, Time and Memory

This Unit of Study traces some of the histories, issues and speculations about technology and its impact on humans. It looks at changes in cultural practices, specifically those of the visual arts, and how artists engage with contemporary technology and speculate about its impact on ourselves and culture. Different technologies have the capacity to change the way we think, the way we experience living and the way we understand what it means to be a Subject, as for instance the change from an oral tradition to the written discourse. Students are encouraged to find innovative ways to demonstrate the impact of technology on society and how it is implicated in their own practice.

#### (ii) Theories of the Object for Artists: Visual Culture and Interpretation

This Unit of Study is designed to be relevant to students working across all disciplines, and includes investigation of the Everyday, the politics of beauty, the question of originality and the nature of the 'real' in contemporary Western culture. In this course the term 'the object' refers to any work of art in any medium, and also to any cultural item or artifact that attracts theoretical discussion. The Unit of Study may at times have expanded research fields, and this would be reflected in its structure and delivery. Its primary orientation is towards the social context in which contemporary art is produced and received.

#### Textbooks

(i) A selection of focus papers is prepared for the Unit of Study, for example Could the Soul be Software? by John Haldane; a lecture given in the 1996-7

C P T S Public Lecture Series .  
www.abdn.ac.uk/philosophy/endsandmeans/vol1no2/haldane.shtml (21.4.08)  
(ii) Barthes, Roland 'The World as Object' in Calligram Bryson, N (ed), Cambridge University Press, 1988.  
Baudrillard, Jean 'The Object as Strange Attractor' in The Transparency of Evil - essays on Extreme Phenomena Verso, London, 1993.

#### THAP3421

##### Studio Theory Media Arts E Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Photomedia: Tanya Peterson Film and Digital Art: John Conomos **Session:** Semester 1 **Classes:** 2 hours contact and minimum 2 hours for research and study **Prerequisites:** THAP2422 or THAP2622 **Prohibitions:** THAP3321 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments and participation and engagement. For further information refer to Studio and SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Unit of Study is split into two areas: Photomedia; Film and Digital Art.

Photomedia:

In this studio we will primarily focus on key aspects of photomedia in relation to contemporary art theories and practices. Emphasis will be placed on exploring photography's "discursive spaces", and developing a more complex understanding of the role between theory and praxis. In particular, we will examine how individual practices contribute and respond to issues of globalisation, cultural memory and identity, and new technologies.

Film and Digital Art

The Virtual Subject in Postmodern Culture Part 1: In this studio we will examine the historical, cultural and theoretical frameworks of the virtual in late-capitalist digital media culture. The student will be introduced to contemporary debates concerning the evolution of the virtual in today's audiovisual culture from modernism to recent times. Students will be encouraged to examine the shifting complexities of the virtual in cultural and media theory and their implications for their own art practice.

*Textbooks*

Photomedia

Company, David. (ed.). The Cinematic: Documents of Contemporary Art, London/Cambridge: Mass.: Whitechapel & MIT Press, 2007.

Elkins, James. (ed.). Photography Theory, New York: Routledge, 2007.

Wallis, Brian. (ed.). Blasted Allegories: An Anthology of Writings by Contemporary Artists, New York: New Museum of Contemporary Art & Cambridge, Mass.: MIT Press, 1993 (1987).

Film and Digital Art

Scott Bukatman, Terminal Identity, Duke University Press, 1993.

John Conomos, Mutant Media, Sydney, ArtSpace/Power Publications, 2008.

Lev Manovich, The Language of New Media, Cambridge, Mass., MIT Press, 2002.

Film and Digital Art

#### THAP3422

##### Studio Theory Media Arts F Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Photomedia: Tanya Peterson Film and Digital Art: John Conomos **Session:** Semester 2 **Classes:** 2 hours contact and minimum 2 hours for research and study **Prerequisites:** THAP3421 **Prohibitions:** THAP3322 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments as are given throughout the unit, and participation and engagement. For further information refer to Studio and SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This unit of study is split into two areas: Photomedia; Film and Digital Art.

Photomedia

In this studio the focus will be to extend our enquiry into contemporary art and photomedia. We will further explore the question "What is photography?" in light of the medium's slippage across the realms of art and popular culture. Drawing on key contemporary philosophers, theorists, and practitioners, we will continue to consider how you might

locate and interpret your own emerging research in relation to contemporary art practices.

Film and Digital Art

The Virtual Subject in Postmodern Culture Part 2: recent theories of the new digital sublime in postcinema and the new image technologies will be explored and certain critical, literary and experimental audiovisual traditions from modernism to present times will be traced. Part 2 is structured in two connecting modules. The student will be examining fundamental issues of contemporary literary and media aesthetics and related genres of postmodern techno-creativity

*Textbooks*

Photomedia

French, Blair. Out of Time: Essays Between Photography & Art, Parkside: Contemporary Art Centre of South Australia, 2006.

Kelsey, Robin & Stimson, Blake (eds.). The Meaning of Photography, New Haven, Conn./London: Yale University Press, 2008.

Lunenfeld, Peter (ed.). The Digital Dialectic, Cambridge, Mass./London: MIT Press, 1999.

Film and Digital Art

Bill Beckley, Sticky Sublime, New York, Allworth Press, 2001.

Keith Cohen (ed), Writing in a Film Age, Colorado, University Press of Colorado, 1991.

Elaine Scarry, On Beauty and Being Just, Princeton, Princeton Press, 1999.

Brian Wallis (ed), Blasted Allegories, MIT Press, 1989.

#### THAP3431

##### Studio Theory Fine Arts E Sydney College of the Arts

**Credit points:** 3 **Teacher/Coordinator:** Painting: Dr Debra Dawes Sculpture: Mr Michael Goldberg Printmedia: Mr Justin Trendall **Session:** Semester 1 **Classes:** 2 hours contact and minimum 2 hours for research and study **Prerequisites:** THAP2632 or THAP2432 **Prohibitions:** THAP3331 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments as are given throughout the unit, and participation and engagement. For further information refer to Studio and SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Unit of Study is split into three areas: Painting; Sculpture; Printmedia

Painting

The focus in this studio is to investigate the key moments that shaped Australian Contemporary Painting beginning with The Field, the first exhibition of Abstract Painting in Australia in 1968 to the present. We will primarily focus on Australian painters to provide students with an understanding of their local context and history.

Sculpture

Imaginary, Natural and Institutionalised Spaces: the overarching concern of this semester will be to get students to co-ordinate their imaginative ambitions relating to the object with regard to culture, place, space and architecture. What objects or performances work best where? A reflection on modes of display and the rhetoric of reception particularly in relation to museums, public spaces, and the technologies of television, film and the internet will be encouraged.

Printmedia

The Gallery: the focus in this studio will be to look at role of print and drawing within the development of modern art. We will survey a number of key nineteenth and twentieth century artists and explores links between these historical precedents and the practices of a range of contemporary artists. A series of formal lectures and an extensive program of gallery visits will be included.

*Textbooks*

Painting

This is a studio - driven program focusing on the practices of artists as primary research and supported with the relevant theoretical frameworks. Consequently these references are subject to change and will be advised on the UoS outline at the beginning of semester.

Sculpture

Green, Charles, The Third Hand, Sydney: UNSW Press, 2001.

Stallabrass, Julian, Internet Art, London: Tate Publishing, 2003.

Printmedia

Unmonumental, New York: Phaidon, 2007.

Stallabrass, Julian. Internet art: the online clash of culture and commerce, London: Tate Publishing, 2003.

**THAP3432****Studio Theory Fine Arts F  
Sydney College of the Arts**

**Credit points:** 3 **Teacher/Coordinator:** Painting: Assoc Professor Brad Buckley  
Sculpture: Dr Adam Geczy Printmedia: Mr Justin Trendall **Session:** Semester 2  
**Classes:** 2 hours contact and minimum 2 hours for research and study  
**Prerequisites:** THAP3431 **Prohibitions:** THAP3332 **Assessment:**  
Assessment is based on the successful completion of coursework, written and/or seminar assignments, as are given throughout the unit, and participation and engagement. For further information refer to Studio and SCA assessment criteria.  
**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

This Unit of Study is split into three areas: Painting; Sculpture; Printmedia

**Painting**

The aim in this studio is to consolidate the student's understanding of the critical

debates surrounding painting at the beginning of the twentieth first century

and to assist in developing a clearer understanding of the place of their

own work in this history.

**Sculpture**

The last module concentrates on personal presentation, promotion and professional practice with special emphasis on sculpture, performance and installation: appropriate avenues of exhibition, good grant writing, effective artist talks, publication facilitation (journals and catalogues), websites and attendance at festivals and other events. The module is geared at maximizing the potential of the artist as a professional in the public sphere.

**Printmedia**

Professional Practice: using a combination of formal lectures, student seminars and gallery visits, the aim is to help students to develop a clearer understanding of the relationship between their own art practice and the professional and public domains in which they intend to work. The roles of galleries, public funding, the internet and other vocational contexts are surveyed.

**Textbooks****Painting**

This is a studio - driven program focusing on the practices of artists as primary research and supported with the relevant theoretical frameworks. Consequently these references are subject to change and will be advised in the UoS outline at the beginning of semester.

**Sculpture**

www.ozco.gov.au

www.artspace.org.au

www.visualarts.net.au

**Printmedia**

NAVA: www.visualarts.net.au

Australia Council: www.australiacouncil.gov.au

**THAP3441****Studio Theory Object Art and Design E  
Sydney College of the Arts**

**Credit points:** 3 **Teacher/Coordinator:** Glass: Mr Andrew Lavery Ceramics: Ms Jan Guy Jewellery and Object: Ms Joyce Hinterding **Session:** Semester 1  
**Classes:** 2 hours contact and minimum 2 hours for research and study  
**Prerequisites:** THAP2642 or THAP2442 **Prohibitions:** THAP3341  
**Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments, as are given throughout the unit, participation and engagement. For further information refer to SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

**Locating practice**

This Unit of Study is split into three areas: Ceramics; Glass; Jewellery and Object

Various specifics are dealt with for students within each studio area.

The unit of study explores the notion on 'inter-disciplinary' practice, what it might mean and entail through various readings on

contemporary art and craft practice. Students will be asked to explore the many and varied fields of interest a practitioner may be engaging with. Throughout the unit students will be expected to be critically analysing what their own area of continuing research within their own practice may be.

(Please note due to changes in class sizes course content may be modified)

**Glass**

Contemporary studio glass engages with a wide variety of materials and processes. We will expand the dialogue in respect of the interdisciplinary nature inherent in this activity. Through discussion on appropriate genres, styles, syntax and classification, methodologies for articulating and critiquing practice will be explored.

**Ceramics**

The focus in this studio will be to consolidate the learning outcomes of previous TEO units undertaken in first and second year and to provide a framework for the student studying ceramics to situate their practice within an expanded field of contemporary art practice. This will be achieved through critical examination and analysis of the processes and strategies used by the contemporary ceramicist and the theoretical dialogue that informs and surrounds their work.

A range of issues relevant to contemporary practice will be addressed including: the affects of new technologies on the production of the physical object; globalisation and the survival of the studio ceramics movement; cross cultural production and the status of craft today; where am I? - an investigation of the ways contemporary ceramicists engage in interdisciplinary and hybrid praxis across traditional visual art disciplines, the humanities and sciences.

**Jewellery and Object**

In this studio we will expand the dialogue in respect to the interdisciplinary nature inherent in the Jewellery and Object studio. Through investigation of genres, styles, syntax and classification, methodologies for articulating and critiquing practice will be explored.

**Textbooks****Glass**

Roland Barthes, The language of fashion, Power Publications, 2006.

Marie Mulvey-Roberts: The handbook to Gothic literature New York University Press, 1998.

**Ceramics**

Clark, Garth (ed.) Ceramic Millennium: critical writings on ceramic history, theory and art NSCAD, Canada, 2007.

Hanaor, Ziggy Breaking the Mould: new approaches to ceramics Black Dog Publishing, London, 2007.

**Jewellery and Object**

Roland Barthes, The Language of Fashion, Power Publications, 2006.

Marie Mulvey-Roberts: The handbook to Gothic literature New York University Press, 1998.

**THAP3442****Studio Theory Object Art and Design F  
Sydney College of the Arts**

**Credit points:** 3 **Teacher/Coordinator:** Ms Jan Guy, Mr Andrew Lavery, Ms Karin Findeis **Session:** Semester 2 **Classes:** 2 hours contact and minimum 2 hours for research and study **Prerequisites:** THAP3441 **Prohibitions:** THAP3342 **Assessment:** Assessment is based on the successful completion of coursework, written and/or seminar assignments, as are given throughout the unit, participation and engagement. For further information refer to SCA assessment criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

**Understanding Professional Practice**

This Unit of Study combines three areas: Ceramics; Glass; Jewellery and Object

The unit of study serves to locate a student's ceramics practice in a professional context. Through participating in a series of workshops and lectures you will develop and apply strategies fundamental to sound visual arts business practice. Relevant topics such as arts law, copyright, contracts, exhibiting, photographing work, writing of proposals and curriculum vitae and defining a market will be examined. You will be asked to consider and formulate how you want to present yourself publicly as an artist. Knowledge of these areas will establish

the solid foundation necessary to facilitate your ability as an artist to sustain a strong business ethic that will enhance and extend your creative working life. These issues will enable you to understand the arts / crafts industry and prepare you for a range of possible career options within the visual arts.

(Please note due to changes in class sizes course content may be modified)

#### Textbooks

Schaffner I. & Winzen M. (eds) *Deep Storage: collecting, storing, and archiving in art* Munich ; New York : Prestel, 1998.  
Stokes, James *Earning a Living in the Visual Arts & Crafts* Sydney: Hale & Remonger, 1987.  
Jill Yelland, *The Art of Minding Your Own Business: Arts and Crafts Business Starter and Survival Kit* Press for Success., South Perth: Press for Success, 1994.

### THAP4222

#### Honours Dissertation B Sydney College of the Arts

**Credit points:** 16 **Session:** Semester 2 **Corequisites:** MSTD4112 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A (Hons).

Supervised and independent studio work on a nominated project leading to final assessment in November. Regular meetings with the student's supervisor provide advice and feedback.

### THAP4231

#### Honours Dissertation A Sydney College of the Arts

**Credit points:** 16 **Session:** Semester 1 **Corequisites:** THAP4251 and MSTD4111 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A (Hons).

Supervised and independent studio work on a nominated project leading to final assessment in November. Regular meetings with the student's supervisor provide advice and feedback.

### THAP4241

#### Studio Seminar/Research Paper A Sydney College of the Arts

**Credit points:** 4 **Session:** Semester 1 **Corequisites:** MSTD4221 or MSTD4231 or MSTD4241; and THAP4251 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A (Hons).

Supervised and independent study including research for and the first draft of the research paper. Students present an individual seminar on their developing research.

### THAP4242

#### Research Paper B Sydney College of the Arts

**Credit points:** 8 **Session:** Semester 2 **Corequisites:** MSTD4222 or MSTD4232 or MSTD4242 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A (Hons).

Students research and prepare the second and final drafts of the research paper. Regular meetings with their supervisor provide advice and feedback.

### THAP4251

#### Honours Theories of Art Practice Sydney College of the Arts

**Credit points:** 4 **Session:** Semester 1 **Classes:** 2 hours of contact and a minimum 2 hours of research and study. **Corequisites:** THAP4231 or THAP4241; and one of: MSTD4111 or MSTD4221 or MSTD4231 or MSTD4241 **Assessment:** Refer to the unit outline and SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V A (Hons).

Students investigate, at an advanced level, the philosophies and histories that have shaped contemporary visual arts. Students are

expected to further develop their critical and analytical skills in discussion papers and essay writing.

#### Textbooks

Refer to THAP Reading List.

### THAP7101

#### Contemporary Art Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3 hours of contact and a minimum 3 hours of independent study. **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

The elective unit in Theories of Art Practice, 'Contemporary Art', is designed for students who are interested in an extended analysis and discussion of current visual arts practices. The unit develops material introduced in Year 1 and Year 3 units of study. Areas of enquiry include: the position of art in a global society; the impact of new media on art practices; and the changing roles of the artist and their influence on our culture. Students are encouraged to develop independent thinking and research their particular areas of interest.

#### Textbooks

Refer to THAP Reading List.

### THAP7201

#### A History of Australian Art Sydney College of the Arts

**Credit points:** 3 **Session:** Semester 1, Semester 2 **Classes:** 3 hours of contact and a minimum 3 hours of independent study. **Assessment:** Assessment is continuous and culminates with an end-of-semester assessment where works are presented for critical review. For further information refer to SCA Assessment Criteria. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V A, UG Study Abroad Program, Visual Arts UG Non-Degree.

'The History of Australian Art' recognises the artistic production of Indigenous and non-Indigenous artists of the past and their impact on contemporary art in Australia. It considers how Indigenous and non-Indigenous Australian artists influence each other and addresses concepts such as hybridity and purity. It addresses the discourse of nationalism and its impact on the production and reception of art. It also considers Australian art in relation to other areas of the world, including the Asia-Pacific region, Europe, Britain and the United States.

#### Textbooks

Refer to THAP Reading List.



# University undergraduate units of study – U

## USDP1011

### Life Sciences 1

#### Dentistry

**Credit points:** 12 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Continual assessments and exams **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The underlying biomedical and clinical sciences to ensure an understanding of the mechanisms of health and disease.

## USDP1012

### Foundations of Total Patient Care 1

#### Dentistry

**Credit points:** 6 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The necessary communication and reasoning skills for effective dental diagnosis as well as the clinical understanding and technical skills to manage the care of the patient with common and important dental conditions.

## USDP1013

### Personal and Professional Development 1

#### Dentistry

**Credit points:** 3 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The necessary personal and professional skills for effective and rewarding practice, including ethical behaviours, productive teamwork, evidence-based decision-making, self-evaluation and life-long learning.

## USDP1014

### Dentist and Community 1

#### Dentistry

**Credit points:** 3 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The place of dentistry in health care, interactions with the community and dental public health issues.

## USDP1021

### Life Sciences 2

#### Dentistry

**Credit points:** 12 **Session:** Semester 2 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The underlying biomedical and clinical sciences to ensure an understanding of the mechanisms of health and disease.

## USDP1022

### Foundations of Total Patient Care 2

#### Dentistry

**Credit points:** 6 **Session:** Semester 2 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The necessary communication and reasoning skills for effective dental diagnosis as well as the clinical understanding and technical skills to manage the care of the patient with common and important dental conditions.

## USDP1023

### Personal and Professional Development 2

#### Dentistry

**Credit points:** 3 **Session:** Semester 2 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The necessary personal and professional skills for effective and rewarding practice, including ethical behaviours, productive teamwork, evidence-based decision-making, self-evaluation and life-long learning.

## USDP1024

### Dentist and Community 2

#### Dentistry

**Credit points:** 3 **Session:** Semester 2 **Classes:** Clinical work **Assessment:** Continual assessment and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The place of dentistry in health care, interactions with the community and dental public health issues.

## USDP2012

### Foundations of Total Patient Care 3

#### Dentistry

**Credit points:** 6 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The necessary communication and reasoning skills for effective dental diagnosis as well as the clinical understanding and technical skills to manage the care of the patient with common and important dental conditions.

## USDP2013

### Personal and Professional Development 3

#### Dentistry

**Credit points:** 3 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The necessary personal and professional skills for effective and rewarding practice, including ethical behaviours, productive teamwork, evidence-based decision-making, self-evaluation and life-long learning.

## USDP2014

### Dentist and Community 3

#### Dentistry

**Credit points:** 3 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The place of dentistry in health care, interactions with the community and dental public health issues.

## USDP2016

### Life Sciences 3



## Dentistry

**Credit points:** 12 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The underlying biomedical and clinical sciences to ensure an understanding of the mechanisms of health and disease

## USDP2022

### Foundations of Total Patient Care 4

#### Dentistry

**Credit points:** 6 **Session:** Semester 2 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The necessary communication and reasoning skills for effective dental diagnosis as well as the clinical understanding and technical skills to manage the care of the patient with common and important dental conditions.

## USDP2023

### Personal and Professional Development 4

#### Dentistry

**Credit points:** 3 **Session:** Semester 2 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The necessary personal and professional skills for effective and rewarding practice, including ethical behaviours, productive teamwork, evidence-based decision-making, self-evaluation and life-long learning.

## USDP2024

### Dentist and Community 4

#### Dentistry

**Credit points:** 3 **Session:** Semester 2 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The place of dentistry in health care, interactions with the community and dental public health issues.

## USDP2026

### Life Sciences 4

#### Dentistry

**Credit points:** 12 **Session:** Semester 2 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The underlying biomedical and clinical sciences to ensure an understanding of the mechanisms of health and disease.

## USDP2027

### Total Patient Care Clinical

#### Dentistry

**Session:** S1 Late Int, S2 Late Int **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Dent.

Intensive course in Clinical Work. Practical sessions for Tooth Conservation. Clinical work in the Simulation Clinic. There will be an assessment at the end of the course.

## USDP3001

### Life Sciences 5

#### Dentistry

**Credit points:** 5 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The underlying biomedical and clinical sciences to ensure an understanding of the mechanisms of health and disease.

## USDP3002

### Total Patient Care 1

#### Dentistry

**Credit points:** 12 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The necessary communication and reasoning skills for effective dental diagnosis as well as the clinical understanding and technical skills to manage the care of the patient with common and important dental conditions.

## USDP3003

### Personal and Professional Development 5

#### Dentistry

**Credit points:** 4 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The necessary personal and professional skills for effective and rewarding practice, including ethical behaviours, productive teamwork, evidence-based decision-making, self-evaluation and life-long learning.

## USDP3004

### Dentist and Community 5

#### Dentistry

**Credit points:** 3 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The place of dentistry in health care, interactions with the community and dental public health issues.

## USDP3005

### Life Sciences 6

#### Dentistry

**Credit points:** 5 **Session:** Semester 2 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The underlying biomedical and clinical sciences to ensure an understanding of the mechanisms of health and disease.

## USDP3006

### Total Patient Care 2

#### Dentistry

**Credit points:** 12 **Session:** Semester 2 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The necessary communication and reasoning skills for effective dental diagnosis as well as the clinical understanding and technical skills to manage the care of the patient with common and important dental conditions.

## USDP3007

### Personal and Professional Development 6

#### Dentistry

**Credit points:** 4 **Session:** Semester 2 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The necessary personal and professional skills for effective and rewarding practice, including ethical behaviours, productive teamwork, evidence-based decision-making, self-evaluation and life-long learning.

**USDP3008****Dentist and Community 6****Dentistry**

**Credit points:** 3 **Session:** Semester 2 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The place of dentistry in health care, interactions with the community and dental public health issues.

**USDP4001****Life Sciences 1****Dentistry**

**Credit points:** 4 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The underlying biomedical and clinical sciences to ensure an understanding of the mechanisms of health and disease.

**USDP4002****Total Patient Care 3****Dentistry**

**Credit points:** 12 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Continual assessment and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The necessary communication and reasoning skills for effective dental diagnosis as well as the clinical understanding and technical skills to manage the care of the patient with common and important dental conditions.

**USDP4003****Personal and Professional Development 7****Dentistry**

**Credit points:** 5 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The necessary personal and professional skills for effective and rewarding practice, including ethical behaviours, productive teamwork, evidence-based decision-making, self-evaluation and life-long learning.

**USDP4004****Dentist and Community 7****Dentistry**

**Credit points:** 3 **Session:** Semester 1 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The place of dentistry in health care, interactions with the community and dental public health issues.

**USDP4005****Life Sciences 2****Dentistry**

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Dent.

The underlying biomedical and clinical sciences to ensure an understanding of the mechanisms of health and disease.

**USDP4006****Total Patient Care 4****Dentistry**

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The necessary communication and reasoning skills for effective dental diagnosis as well as the clinical understanding and technical skills to manage the care of the patient with common and important dental conditions.

**USDP4007****Personal and Professional Development 8****Dentistry**

**Credit points:** 5 **Session:** Semester 2 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The necessary personal and professional skills for effective and rewarding practice, including ethical behaviours, productive teamwork, evidence-based decision-making, self-evaluation and life-long learning.

**USDP4008****Dentist and Community 8****Dentistry**

**Credit points:** 3 **Session:** Semester 2 **Classes:** Clinical work **Assessment:** Continual assessments and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Dent.

The place of dentistry in health care, interactions with the community and dental public health issues.

**USSC2601****US in the World****Other**

**Credit points:** 6 **Teacher/Coordinator:** Professor Geoffrey Garrett **Session:** Semester 1 **Classes:** one 1.5 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points **Assessment:** Four critical reviews in weeks 2, 5, 8, 11 (each 800 words) 40%; Synthesis of semester's activities relating to opinion-formation, problem-solving and argument-defence (2000 words) 35%; Tutorial Participation 15%; Lecture Participation 10% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, UG Study Abroad Program.

This unit of study introduces students to the key global transformations of the contemporary era, focusing on the role of the United States amid the challenges posed by: globalisation, the rise of Islamic extremism, nuclear proliferation, and the emergence of China and India as world powers. The unit is designed to give students the ability to look behind today's news headlines to understand the underlying forces driving them, particularly the behaviour and views of key policy makers and opinion leaders.



# University undergraduate units of study – V

## VETS1006

### Animal Husbandry 1A Veterinary Science

**Credit points:** 5 **Teacher/Coordinator:** Dr Paul McGreevy **Session:** Semester 1 **Classes:** Lectures: 43 hours. Practicals: 24 hours. **Assessment:** Intramsemester: Three (3) items of written assessment totalling 1,000 words (45%). End-of-semester: Two (2) hour examination (55%). Other: Non-barrier assessment of cat and dog handling also horse and pig handling. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V Sc.

This unit of study covers aspects of animal husbandry, welfare and management of: horses - their characteristics and management; the pig and poultry industries in Australia and production of meat and eggs; cats, dogs and cage and aviary birds - breeds and their management.

A series of practical classes including animal training, urban animal management as well as handling of pigs, horses, pocket pets, dogs and cats.

#### Textbooks

The Animal Husbandry 1A Handbook will be available on-line or may be purchased in the first week of semester. Students should inspect copies of the following books in the library before purchasing those that suit them best.  
Gardner JAA. et al. ed. Pig Production in Australia. 2nd edn. Butterworths, 1990.  
Houghton-Brown J. Powell-Smith VV. Pilliner S. Horse and Stable Management. Blackwell Publishing, Oxford, 1997.  
Page S. Cat Owners Manual. Fog City Press.  
McGreevy P. ed. Dog Lovers Companion. Herron Books, Brisbane  
Reid RL. A Manual of Australian Agriculture. 5th edn. Heinemann, 1990.  
Sainsbury D. Animal Health. 2nd edn. Blackwell Science, 1998.

## VETS1013

### Cell Biology 1A Veterinary Science

**Credit points:** 4 **Teacher/Coordinator:** Dr Paul Sheehy **Session:** Semester 1 **Classes:** lectures: 47 hrs practicals: 10 hrs tutorials: 7hrs **Assumed knowledge:** HSC level chemistry and/or biology would be an advantage **Assessment:** intra-semester: 1 x Mid-semester exam (20%) end of semester: 1 x 2 hr written exam (65%) other: 1 x Cytology Group Learning Exercise (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V Sc.

This unit will introduce students to the biology of the cell. Topics include cell structure and cellular metabolism. The cell structure component includes a description of cell membranes and organelles and the cellular metabolism component includes a discussion of metabolic pathways. An introduction to the contribution of the endocrine system to homeostasis of animals via their effects on animal metabolism and physiology will also be described. An understanding of commonly occurring disturbances to the production or action of hormones will be developed with clinical material being used to illustrate normal structure and function.

#### Textbooks

Cell Biology 1A Handbook  
Alberts B. et al. Essential Cell Biology. 2nd edn. New York: Garland Publishing 2004

## VETS1014

### Veterinary Anatomy and Physiology 1A Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Rachael Gray **Session:** Semester 1 **Classes:** lectures: 38 hrs practicals: 35 hrs tutorials: 6 hrs **Assessment:** intra-semester: April (15%) Anatomy; May (10%) Physiology; Practical work (5%) Anatomy. end of semester: June 1 x Written examination: Anatomy and

Physiology (50%); 1 x Anatomy Practical (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

Anatomy and histology refer to the study of the structure of cells, tissues and organs. Physiology refers to processes involved in normal cell, tissue or body function, and biological pathways involved in the maintenance of a healthy animal.

In this unit the gross anatomy and histology of the musculoskeletal system of the dog is studied together with the histology of epithelial tissue, connective tissue including blood, and the endocrine system. Basic principles of physiological control, water and electrolyte balance and the physiology of nerve and muscle cells complete the course. Clinical materials, for example, radiographic images, are used to illustrate normal structure and function. Examples of structural and physiological abnormalities that cause dysfunction and disease in animals are included. Computer based resources and formative assessments will also be used.

#### Textbooks

VAP1A Unit of Study Handbook  
Eurell JA. Frappier BL. Dellman's Textbook of Veterinary Histology. 6th Edn. Ames: Blackwell Publishing 2006  
Evans HE. Miller's Anatomy of the Dog. 3rd Edn. Philadelphia: WB Saunders 1993  
Dyce KM. Sack WO. Wensing CJG. Textbook of Veterinary Anatomy. 3rd Edn. Philadelphia, Saunders 2002  
Sjaastad ØV. Hove K. Sand O. Physiology of Domestic Animals. Oslo: Scandinavian Veterinary Press 2003  
Reference Books  
Bacha WJ. Bacha LM. Color Atlas of Veterinary Histology. 2nd Edn. Philadelphia: Lippincott Williams & Wilkins 2000  
Ross MH. Pawlina W. Histology A Text and Atlas. 5th Edn. Baltimore: Lippincott Williams & Wilkins 2006  
Boyd JS. Paterson C. Colour Atlas of Clinical Anatomy of the Dog and Cat. 2nd Edn. London: Mosby 2001  
Budras KD. McCarthy PH. Fricke W. Richter R. Anatomy of the Dog. An Illustrated Text. 4th Edn. Hannover: Schlütersche 2002  
Cunningham JG. Textbook of Veterinary Physiology. 3rd Edn. Philadelphia: WB Saunders 2002  
Swenson MJ. Reece WO. Dukes' Physiology of Domestic Animals. 11th Edn. Comstock, Cornell University Press 1993  
Recommended Reading: See handbook for details.

## VETS1017

### Professional Practice 1B Veterinary Science

**Credit points:** 3 **Teacher/Coordinator:** Dr John Baguley **Session:** Semester 2 **Classes:** Lectures: 10 x 3 hour presentations and workshops Practicals: 3 x 3 hour visits to Educational Support Practices. **Prerequisites:** VETS1021, VETS1006 **Assessment:** Intramsemester: Newsletter article (250 words 20%). Essay (1,500 words 50%). Oral Presentation (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment.*

**Associated degrees:** B V Sc.

This unit of study focuses upon human animal interactions as a mechanism for further exploration of professional practice themes (communication, ethics and professionalism, practice management, personal development and animal welfare). There are three scheduled visits to local veterinary practices and these provide opportunities for further development and integration of these themes within a veterinary practice setting. Assessment tasks emphasise communication skills which are vital for success in veterinary practice.

#### Textbooks

Unit of Study Handbook.

## VETS1018

### Cell Biology 1B

## Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Paul Sheehy **Session:** Semester 2 **Classes:** lectures: 43 hrs practicals: 24 hrs **Prerequisites:** VETS1032 or VETS1013 **Assessment:** intrasemester: 1 x Mid-semester Inquiry Task (10%); 1 x Mid-semester exam (20%) end of semester: 1 x 2 hr written paper (60%) other: Group Learning Activities (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

In this unit the study of the molecular biology of the cell is extended to include gene expression, recombinant DNA technology, membrane structure and function, cell cycle, cell differentiation and cancer. Clinical material is used to illustrate normal structure and function.

### Textbooks

Cell Biology 1B Handbook  
Alberts B. et al. Essential Cell Biology. 2nd edn. New York: Garland Publishing 2004

## VETS1019

### Animal Husbandry 1B Veterinary Science

**Credit points:** 7 **Teacher/Coordinator:** Dr Pietro Celi **Session:** Semester 2 **Classes:** Lectures: 32 hours. Practical classes: 60 hours. **Prerequisites:** VETS1006 **Assumed knowledge:** A basic understanding of biological principles. **Assessment:** Intrasemester: Practical animal handling skills examination (10%), quiz (20%). End of Semester: Three (3) hour written paper (60%). Other: Plant collections (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V Sc.

This unit of study covers aspects of ruminant management and production, especially sheep, beef and dairy cattle. The agronomic and ecological principles of the production and utilisation of native and sown pastures are also covered.

Full day practical handling classes are conducted at the University Farms, Camden, with horses, pigs, poultry, sheep, beef and dairy cattle and pastures. Practical classes must be attended by all students and are assessed.

### Textbooks

Animal Husbandry 1B Handbook.  
Students should consult lecturers before purchasing text books.  
Anderson RS. Edney ATB. Practical Animal Handling. Pergamon Press, 1991.  
Battaglia RA. Handbook of Livestock Management. Prentice Hall, 2001.  
Cottle DJ. ed. Australian Sheep and Wool Handbook. Inkata Press, 2000.  
Gardner JAA. et al. ed. Pig Production in Australia. 2nd edn. Butterworths, 1990.  
Huntington PJ. Cleland F. Horse Sense: The Australian Guide to Horse Husbandry. Agmedia, 1992.  
North MO. Bell DD. Commercial Chicken Production Manual. 4th edn. AVI Publishing Company, 1990.  
Reid RL. A Manual of Australian Agriculture. 5th edn. Heinemann, 1990.  
Sainsbury D. Animal Health. 2nd edn. Blackwell Science, 1998.

## VETS1020

### Veterinary Anatomy and Physiology 1B Veterinary Science

**Credit points:** 8 **Teacher/Coordinator:** Dr Glenn Shea **Session:** Semester 2 **Classes:** Lectures: 51 hours Practical: 34.5 hours Tutorials/Group Work: 10 hours **Prerequisites:** VETS1014 **Assessment:** Intra-semester: Respiratory physiology written paper (15%), Anatomy practical quiz (10%). End of Semester: 2 hour written theory paper (55%). Anatomy practical exam (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V Sc.

In this unit the gross anatomy, histology and physiology of the respiratory, endocrine, cardiovascular and urinary systems are studied. Mechanisms of acid base regulation are also included. Clinical material is used to illustrate normal structure and function. Examples of structural and physiological abnormalities that cause dysfunction and disease in animals are included. Computer based tutorials and assessments will be used to assist learning.

### Textbooks

Unit of Study Manual  
Evans HE. Miller's Anatomy of the Dog. 3rd edn. Philadelphia: WB Saunders Co 1993  
Dellmann HD. Eurell J. Textbook of Veterinary Histology. 5th edn. Baltimore: Williams and Wilkins 1998

Dyce KM. Sack WO. Wensing CJ. Textbook of Veterinary Anatomy. 3rd edn. Philadelphia: WB Saunders 2002  
Sjaastad. Hove. Sand. Physiology of Domestic Animals. Scandinavian Veterinary Press 2003  
Reference Book: Budras KD. McCarthy PH. Fricke W. Richter R. Anatomy of the Dog. 4th edn. Hannover: Schlütersche 2002

## VETS1021

### Professional Practice 1A Veterinary Science

**Credit points:** 3 **Teacher/Coordinator:** Dr Rhondda Canfield **Session:** Semester 1 **Classes:** 9 workshop sessions of 2 hours and 18 lectures of 1 hour **Assessment:** Intrasemester only: Assignments and quiz **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V Sc.

This course aims to introduce students to the veterinary profession and adjust to life in the faculty. The unit should enhance the ability to use libraries, information technology and other resources and enable students to acquire the skills and knowledge necessary for becoming an effective, reflective and self-motivated learner. Students will develop communication skills and an understanding of team work activities.

Students will learn about the history of veterinary science and its major achievements and the wide diversity of occupations and opportunities within the profession. Students will learn how to perform a basic physical examination. Animal Welfare is introduced and the main issues for veterinary students and veterinarians identified. This unit emphasises and encourages collaborative learning, clear communication, professional behaviour and self-care, and provides a background for other units in Year 1.

### Textbooks

Unit of Study Handbook

## VETS1030

### Animal Husbandry 1A Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Peter Knight **Session:** Semester 1 **Classes:** lectures: 43 hrs practicals: 30 hrs **Assessment:** intra-semester: 2 x Items of written assessment (maximum 500 words each) (35%); Pig handling practical (5%) end-of-semester: 1 x 2 hr examination (60%) other: Non-barrier assessment of small animal handling **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

The aim of this unit is to introduce students to management of some of the standard animals in the BVSc (dogs, cats, horses, birds, pigs), as well as "pocket pets". Animal Husbandry includes housing, handling, and basic aspects of nutrition of animals. The structure of the relevant production animal industries will be described. The physical characteristics of the breeds are included, as well their roles as production and companion animals. Ways in which animal welfare can be compromised by producers and companion animal owners will be discussed. The pig and poultry industries in Australia are described, and production of meat and eggs is outlined. Aviary bird breeds and their management are also included. A library class in Information Source Evaluation is also provided. A series of practical classes in animal handling is administered, using small animals, "pocket pets", pigs and horses.

### Textbooks

Huntington P. Myers J. Owens E. Horse sense: the guide to horse care in Australia and New Zealand. Collingwood: Landlinks Press 2004  
Reference Books:  
Gardner JAA. et al. ed. Pig Production in Australia. 2nd edn. Butterworths 1990  
Houghton-Brown J. Powell-Smith VV. Pilliner S. Horse and Stable Management. Oxford: Blackwell Publishing 1997  
Page S. Cat Owners Manual. Fog City Press.  
McGreevy P. ed. Dog Lovers Companion. Brisbane: Herron Books  
Reid RL. A Manual of Australian Agriculture. 5th edn. Heinemann 1990  
Sainsbury D. Animal Health. 2nd edn. Blackwell Science 1998

## VETS1031

### Professional Practice 1 Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Susan Matthew **Session:** Semester 2 **Classes:** lectures: 72 hrs practicals: 3 x 2 hr visits to Educational Support

Practices **Assessment:** intra-semester: Group and individual assignments; online submissions. end of semester: 1 x examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

This unit of study focuses upon human animal interactions as a mechanism for exploration of professional practice themes in communication, ethics and professionalism, practice management, personal development and animal welfare. Three scheduled visits to local veterinary practices provide opportunities for further development and integration of these themes within a veterinary practice setting. Assessment tasks emphasise the importance of human animal interactions and communication skills in veterinary practice.

*Textbooks*

Unit of Study Handbook

### VETS1032

#### Cell Biology 1A

##### Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Paul Sheehy **Session:** Semester 1 **Classes:** lectures: 47 hrs practicals: 10 hrs tutorials: 7hrs **Assumed knowledge:** HSC level chemistry and/or biology would be an advantage **Assessment:** intra-semester: 1 x mid-semester exam (20%) end of semester: 1 x 2 hr written exam (65%) other: 1 x Cytology Group Learning Exercise (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

This unit will introduce students to the biology of the cell. Topics include cell structure and cellular metabolism. The cell structure component includes a description of cell membranes and organelles and the cellular metabolism component includes a discussion of metabolic pathways. An introduction to the contribution of the endocrine system to homeostasis of animals via their effects on animal metabolism and physiology will also be described. An understanding of commonly occurring disturbances to the production or action of hormones will be developed with clinical material being used to illustrate normal structure and function.

*Textbooks*

Cell Biology 1A Handbook

Alberts B. et al. Essential Cell Biology. 2nd edn. New York: Garland Publishing 2004

### VETS1033

#### Animal Husbandry 1B

##### Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Pietro Celi **Session:** Semester 2 **Classes:** Lectures: 28 hrs, practicals: 47 hrs **Prerequisites:** VETS1030 or VETS1006 **Assumed knowledge:** A basic understanding of biological principles **Assessment:** Intra-semester: Practical animal handling skills exams (10%), 1 x essay (25%). End of semester: 1 x 2.5 hr written paper (55%) other: plant collections (10%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

This unit of study covers aspects of ruminant management and production, especially sheep, beef and dairy cattle. Basic fish, alpaca and crocodile husbandry is covered in the new animal industry section. The agronomic and ecological principles of the production and utilisation of native and sown pastures are also covered.

On successful completion of this Unit of Study students will be able to: Understand the characteristics of the Australian Livestock Industry; Appreciate the role of veterinarians in the livestock industries; Understand how the various husbandry and management techniques can impact on animal welfare and animal production; Consistently display safe and systematic competence in large animal handling; Communicate and interact competently with primary producers.

Full day practical handling classes are conducted at the University Farms, Camden, with poultry, sheep, beef and dairy cattle and pastures. Practical classes must be attended by all students and are assessed.

*Textbooks*

Animal Husbandry 1B Handbook

Students should consult lecturers before purchasing text books.

Anderson RS. Edney ATB. Practical Animal Handling. Pergamon Press 1991

Battaglia RA. Handbook of Livestock Management. Prentice Hall 2001  
Cottle DJ. ed. Australian Sheep and Wool Handbook. Inkata Press 2000  
Gardner JAA. et al. ed. Pig Production in Australia. 2nd edn. Butterworths 1990  
Huntington PJ. Cleland F. Horse Sense: The Australian Guide to Horse Husbandry. Agmedia 1992  
North MO. Bell DD. Commercial Chicken Production Manual. 4th edn. AVI Publishing Company 1990  
Reid RL. A Manual of Australian Agriculture. 5th edn. Heinemann 1990  
Sainsbury D. Animal Health. 2nd edn. Blackwell Science 1998.

### VETS1034

#### Veterinary Anatomy and Physiology 1B

##### Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Glenn Shea **Session:** Semester 2 **Classes:** lectures: 40 hrs practicals: 32.5 hrs tutorials/Group Work: 7.5 hrs **Prerequisites:** VETS1014 **Assumed knowledge:** VETS1032 or VETS1013 **Assessment:** intra-semester: 1 x physiology written paper (12%), 1 x anatomy practical quiz (10%) end of semester: 1 x 2 hr written theory paper (58%: 32% anatomy; 26% physiology), 1 x anatomy practical exam (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

In this unit the gross anatomy, histology and physiology of the respiratory, cardiovascular and urinary systems are studied. Mechanisms of acid base regulation are also included. Clinical material is used to illustrate normal structure and function. Examples of structural and physiological abnormalities that cause dysfunction and disease in animals are included. Computer based tutorials and assessments will be used to assist learning.

*Textbooks*

VAP 1 B Unit of Study Handbook

Evans HE. Miller's Anatomy of the Dog. 3rd edn. Philadelphia: WB Saunders Co 1993

Eurell J, Frappier, BL. Dellmann's Textbook of Veterinary Histology. 6th edn. Iowa: Blackwell 2006

Dyce KM, Sack WO, Wensing CJ. Textbook of Veterinary Anatomy. 3rd edn. Philadelphia: WB Saunders 2002

Sjaastad ØV, Hove K, Sand O. Physiology of Domestic Animals. Oslo: Scandinavian Veterinary Press 2003

Reference Book: Budras KD, McCarthy PH, Fricke W, Richter R. Anatomy of the Dog. 4th edn. Hannover: Schlütersche 2002

Cunningham JG. Textbook of Veterinary Physiology. 3rd edn. Philadelphia: WB Saunders Co 2001

### VETS2008

#### Professional Practice 2

##### Veterinary Science

**Credit points:** 4 **Teacher/Coordinator:** Dr Christine Hawke **Session:** Semester 1 **Classes:** lectures: 10 x 2 hr presentations practicals: 3 x 2 hr visits to Educational Support Practices other: Independent Learning Project (24 hrs) **Prerequisites:** Either VETS1031 or both VETS1021 and VETS1017 **Assessment:** intrasemester: participation, 1 x quiz, 1 x oral presentation, 1 x written report end of semester: 1 x examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

This unit provides opportunities for the student to understand and apply basic principles in veterinary practice management. The focus is upon small animal practice and this is enhanced through continued Education Support Practice visits. In addition, students will further explore professional practice themes of animal welfare, communication and personal development.

During this unit of study, students are also required to successfully complete an Independent Learning Project which must be submitted by the end of semester teaching.

*Textbooks*

Unit of Study Handbook.

### VETS2009

#### Genetics and Biometry

##### Veterinary Science

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Peter Thomson **Session:** Semester 1 **Classes:** lectures: 26 hrs (Genetics) , 26 hrs (Biometry) practicals: 13 hrs (Biometry) tutorials: 13 hrs (Genetics) **Assumed knowledge:** HSC Mathematics, VETS1018 **Assessment:** intra-semester: Genetics: 1 x 0.5 hr half-way exam (17%) Biometry: regular quizzes (15%), practical assignment (15%) end of semester: 1 x 1 hr Genetics exam (33%), 1 x 1 hr Biometry exam (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day



**Associated degrees:** B V Sc.

This Unit of Study presents an introduction to those aspects of genetics and statistics that are relevant to veterinarians. The genetics section covers the creation and use of genetic maps; single-locus disorders; chromosomal abnormalities; non-Mendelian familial disorders; immunogenetics; pharmacogenetics; genetic variation in pests, parasites and pathogens; genetic and environmental control of inherited diseases; relationship and inbreeding; heritability; breed history and structure; selection and crossing. The biometry section covers biological variability; descriptive statistics (numerical and graphical summaries); probability concepts; samples and populations; the normal distribution; hypothesis tests (one- and two-sample tests); confidence intervals; analysis of variance; regression and correlation; experimental design (basic principles, specific design types); and contingency tables.

**Textbooks**

Nicholas FW. Introduction to Veterinary Genetics. 2nd edn. Oxford: Blackwell 2003  
 Petrie A. Watson P. Statistics for Veterinary and Animal Science. 2nd edn. Oxford: Blackwell 2006  
 Thomson P. Tammen I. Dhand N. Belov K. Genetics and Biometry VETS2009. Unit of Study handbook 2009  
 Recommended Reading  
 Additional references for both Genetics and Biometry components are included in the Unit of Study handbook

**VETS2010****Animal Digestion and Nutrition  
Veterinary Science**

**Credit points:** 7 **Teacher/Coordinator:** Dr Susan Hemsley **Session:** Semester 1 **Classes:** lectures: 62 hrs practicals: 19 hrs tutorials: 10 hrs **Assumed knowledge:** VETS1014, VETS1034 **Assessment:** intra-semester: 1 x practical quiz; 1 x theory quiz; 1 x assignment (33%) end of semester: theory exams (67%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

Animal Digestion and Nutrition is a unit of study that consists of an integrated series of lectures, practical classes and tutorials focusing on the comparative structure and the function of the digestive system along with classes exploring the principles and practice of nutrition and interactions between nutrients that influence health and production.

**Textbooks**

Students are strongly advised to purchase the Unit of Study handbook. Students should consult lecturers before purchasing textbooks. Core texts for this Unit are:  
 Eurell JA. ed. Frappier BL. Dellmann's Textbook of Veterinary Histology. 6th edn. Lippincott Williams & Wilkins 2006  
 Dyce KM. Sack WO. Wensing CJ. Textbook of Veterinary Anatomy. 3rd edn. Philadelphia: WB Saunders 2002  
 McDonald P. Edwards RA. Greenhalgh JFD. Morgan CA. Animal Nutrition. 6th edn. London: Prentice Hall 2002  
 Cunningham JG. Textbook of Veterinary Physiology. 3rd edn. Philadelphia: WB Saunders 2002  
 OR  
 Sjaastad OV. Hove K. Sand O. Physiology of Domestic Animals. Oslo: Scandinavian Veterinary Press. 2003  
 Reference Books and Recommended Reading: Please consult the Unit of Study Handbook or Unit of Study Coordinator

**VETS2011****Veterinary Anatomy and Physiology 2A  
Veterinary Science**

**Credit points:** 7 **Teacher/Coordinator:** Assoc Prof Rosanne Taylor **Session:** Semester 1 **Classes:** lectures: 46 hrs practicals: 30 hrs tutorials: 22 hrs **Assumed knowledge:** Veterinary Science Year 1, VETS2010 **Assessment:** intrasemester: 1 x 40 min assessment (total 25%) end of semester: 1 x 90 min exam (45%) other: 1 x 45 min practical exam (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

This unit has been designed to extend knowledge obtained during Year 1 units in Veterinary Anatomy and Physiology and explore some mechanisms of animal dysfunction. It also deals with new topics in animal structure and function, particularly the nervous system, and covers the anatomy of common domestic bird species, with an emphasis on the chicken.

The unit focuses on the nervous system and senses, how loss of structure and function causes signs of dysfunction, and development of skills used to recognize normal and abnormal animals. Students will learn through dissection, problem solving and will be assessed on ability to apply and use their knowledge and development of generic skills. Neurophysiology and neuroanatomy are integrated, and students will learn how neural function is determined by the neural structures and their connections. Students will apply the principles covered in these topics to examine, describe, interpret and explain how animals perceive their environment, process and store information and respond with voluntary and involuntary activities. The primary focus will be on normal animals, however specific lesions will be used to demonstrate the role of components of the nervous system in normal function. The skills and knowledge acquired during this unit will be further used and developed in units of study in years 2-5 of the course and will provide a basis for analysis of animals with abnormal neurological function in medicine. The unit also covers avian anatomy and aspects of applied cardiovascular and exercise physiology, thermoregulation and integument. Tutorials and formative assessments on webct will be used to assist learning.

**Textbooks**

Sjaastad OV. Hove K. Sand O. Physiology of Domestic Animals. Scandinavian Veterinary Press 2004  
 Eurell JA. Frappier BL. Dellmann's Textbook of Veterinary Histology. 6th edn. Blackwell 2006  
 Dyce KM. Sack WO. Wensing CJ. Textbook of Veterinary Anatomy. 3rd edn. Philadelphia: WB Saunders 2002  
 Evans HE. Miller's Anatomy of the Dog. 3rd edn. Philadelphia: WB Saunders 1993  
 Reference Books:  
 Budras K. McCarthy PH. Fricke W. Richter R. Anatomy of the Dog. 4th edn. Schlutersche 2002  
 Cunningham JG. Textbook of Veterinary Physiology. 3rd edn. Philadelphia: WB Saunders 2002  
 Reece WO. Dukes Physiology of Domestic Animals. 12th edn. Ithaca: Comstock Publishing 2004  
 List provided by staff  
 Recommended Reading: List provided by staff

**VETS2012****Equine Anatomy  
Veterinary Science**

**Credit points:** 4 **Teacher/Coordinator:** Dr Glenn Shea **Session:** Semester 2 **Classes:** lectures: 13 hrs practicals: 52 hrs **Prerequisites:** VETS1014, VETS1034, VETS2011, VETS2010 **Assessment:** intra-semester: 2 x 1 hr written papers (one in-semester) (each 20%); 1 x practical examination (40%); 1 x assignment (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

In this unit of study, the topographic and regional anatomy of the horse, a large domestic animal, is studied by sequential dissection of entire preserved horses. This unit of study also involves integration of knowledge of systemic anatomy, acquired from VETS1014, 1020, 2010 and 2011, allowing the student to develop an understanding of the regional anatomy of a domestic mammal, knowledge necessary for surgery units of study in later years. Clinically relevant regions are emphasized, and the relevance illustrated by reference to common clinical conditions.

**Textbooks**

Equine Anatomy Manual  
 Dyce KM. Sack WO. Wensing CJ. Textbook of Veterinary Anatomy. 3rd edn. Saunders 2002  
 Orsini PG. Sack WO. Rooney's Guide to the Dissection of the Horse. 7th edn. Ithaca: Veterinary Textbooks 2003 (First printing of 7th edn. Hackett MS. Sack WO. 2001 acceptable)  
 Additional course material will be available on the web  
 Reference Books:  
 Ashdown RR. Done SH. Color Atlas of Veterinary Anatomy. Vol.2. The Horse. London: Mosby-Wolfe 2000

**VETS2013****Principles of Disease  
Veterinary Science**

**Credit points:** 8 **Teacher/Coordinator:** Dr Mark Krockenberger **Session:** Semester 2 **Classes:** lectures: 61 hrs practicals: 11 hrs **Assumed knowledge:** Veterinary Science Year 1 (Semesters 1 and 2) and Year 2 (Semester 1 only) **Assessment:** intra-semester: WebCT quizzes; Practical Class Exercises;



Mid-Semester Practical; Mid-semester Quiz end of semester: 1 x Written exam. other: 1 x Practical exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

The overarching theme for this unit of study is the concept of disease as the result of the interaction between the host, the agent of disease and environmental factors (HPEI). Diseases encountered in veterinary practice are used to illustrate these concepts. Critical underpinning of this approach to disease, is the understanding of the five fundamental pathological processes (general pathology) as host response to disease or the direct effect of agents of disease. Physical, chemical, genetic and infectious agents of disease are introduced.

Previous subjects including anatomy, histology, physiology and cell biology, lay the groundwork for this unit of study because it is essential to understand normal structure and function before we can recognize and understand the implications of the disease state (abnormal structure and/or function).

Principles of Disease is vital in preparing the student for the specific disciplines studied in systemic pathology, and studies of agents of disease (microbiology and parasitology), as well as for some components of pharmacology, in Semester 5 of the course.

#### Textbooks

McGavin MD. Zachary JF. Pathologic Basis of Veterinary Disease. 4th ed. Mosby 2007  
Reference Books  
Janeway CA. et al. Immunobiology. The immune system in health and disease. 4th edn. Garland Publications 1999  
Tizard IR. Veterinary Immunology. An Introduction 7th edn. Philadelphia WB Saunders 2004  
Murphy. Gibbs. Horzinek. Studdert. Veterinary Virology. 3rd edn. Academic Press 1999  
Hirsh. Zee. Veterinary Microbiology. Mass Blackwell Science 1999  
Quinn. Markey. Carter. Donnelly. Leonard. Veterinary Microbiology and Microbial Disease. Blackwell Science 2002

### VETS2015

#### Veterinary Conservation Biology Veterinary Science

**Credit points:** 4 **Teacher/Coordinator:** Assoc Prof David Phalen **Session:** Semester 2 **Classes:** lectures: 45 hrs practicals: 6 hrs tutorials: 3 hrs (Taronga Zoo) **Assessment:** intra-semester: 1 x Research Plan (5%), 1 x Essay (2,000 words) (25%) end of semester: 1 x 90min exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

Veterinary Conservation Biology covers the identification, anatomy, and physiology of Australia's unique native birds, reptiles, amphibians, and mammals. The second section of this course details the threatening processes that are impacting Australia's environment and ecosystems. Processes discussed include climate change, urbanization, drought, agricultural practices, bush fires, invasive animal species, and disease. The last section of this course focuses on the roles that veterinarians and biologists can play in in situ and ex situ conservation of Australian wildlife. Experts in each of these fields will contribute to the teaching so that students can learn from people with first hand experiences in each specialty.

#### Textbooks

The VCB Handbook contains some of the information necessary for this course. PDF files of articles germane to this course and powerpoint presentations will be available on web CT.  
Reference Books:  
Burgman. Lindenmayer. Conservation Biology for the Australian Environment. 1008 ISBN 0 949324 78 7  
Reference Book  
Burgman MA. Lindenmayer DB. Conservation Biology for the Australian Environment. Surrey Beatty & Sons Pty Ltd. 1998. ISBN 0 949324 78 7 ISBN 0 949324 78 7.

### VETS2016

#### Veterinary Anatomy and Physiology 2B Veterinary Science

**Credit points:** 8 **Teacher/Coordinator:** Dr Liisa Ahlstrom **Session:** Semester 2 **Classes:** lectures: 58 hrs practicals: 39 hrs tutorials: 4 hrs **Prerequisites:** VETS2011 **Assumed knowledge:** VETS1014, VETS1034, VETS2010 **Assessment:** intrasemester: 1 x 1 hr exam (25%) end of semester: 1 x 2 hrs theory, 1 x 0.5 hr practical (57%) other: 1 x 5 minute oral presentation (5%), 2

x written assignments, work in pairs (total 1,200 words) (13%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

Topics studied in this unit of study include the gross anatomy, histology and physiology of the reproductive system and mammary glands of domestic animals, fertility, pregnancy, parturition and prenatal and postnatal development. Students are introduced to clinically relevant material. Classes other than lectures will include tutorials, laboratory work, library research and small group projects. Incorporated into this unit are two sessions on the surface anatomy of the horse and cow - the focus is on clinically relevant structures.

#### Textbooks

Dyce KM. Sack WO. Wensing CJG. Textbook of Veterinary Anatomy. 3rd edn. Saunders 2002  
Senger PL. Pathways to Pregnancy and Parturition. 2nd edn. Current Conceptions Inc 2003

### VETS3011

#### Veterinary Pathology Veterinary Science

**Credit points:** 7 **Teacher/Coordinator:** Dr Mark Krockenberger **Session:** Semester 1 **Classes:** Lectures: 58 hrs Practicals: 20 hrs gross and microscopic pathology plus 6 hrs necropsy technique, description and interpretation. Case-based learning activities including tutorials: 32 hrs timetabled for these activities - 24 for group discussions and **Prerequisites:** VETS2013 **Assumed knowledge:** Veterinary Science Years 1 - 2 **Assessment:** intra-semester: ICAPs (20%), Prac Exam (10%) end of semester: Theory (60%), Practical (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

Veterinary Pathology is the study of disease and disease processes in animals and includes learning skills to understand and recognise disease in a range of animal species. Pathology is one of the core knowledge areas for veterinarians and additional training in the area would be required for those aspiring to become a specialist veterinary pathologist.

The course is a practically-orientated systemic pathology unit that builds on the knowledge of normal structure and function, general pathology and agents of disease, developed in Years 1, 2 and 3 of the degree.

The Integrative Case-based Applied Pathology (ICAP) exercises strongly integrate preclinical and paraclinical knowledge in a relevant clinical diagnostic setting.

#### Textbooks

Veterinary Pathology Handbook  
McGavin MD. Zachary JF. Pathologic Basis of Disease. 4th edn. Mosby. 2007  
Jones TC. et al. Veterinary Pathology. 6th edn. Williams and Wilkins. 1997

### VETS3013

#### Veterinary Pharmacology and Toxicology Veterinary Science

**Credit points:** 4 **Teacher/Coordinator:** Dr Merran Govendir **Session:** Semester 1 **Classes:** lectures: 36 hrs tutorials: 16 hrs **Prerequisites:** VETS2013 **Assumed knowledge:** Veterinary Science Years 1 - 2 **Assessment:** intrasemester: Quizzes, 1 x assignment end of semester: 1 x 1 hr exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

Pharmacology is the study of the safe use of drugs in the therapy and prevention of animal diseases. Toxicology refers to pharmacologically active toxins which adversely affect animals. These subjects build on knowledge learnt in Chemistry, Cell Biology and Veterinary Physiology and provide the basis to understand how pharmacological agents work at their site of action and how they behave in the body. In order to link the diseases of animals and their therapy the course runs parallel with Units of Study in Veterinary Pathology, Veterinary Microbiology and Veterinary Parasitology. The application of knowledge learnt in Veterinary Pharmacology and Toxicology is a major component of clinical veterinary science.

The Unit covers the principles of drug action and then deals with a range of drug classes pertinent to veterinary science and the peculiarities of drugs in the core species.

#### Textbooks

#### Reference Books

Rang HP, Dale MM, Ritter JM. Pharmacology. 6th edn. Edinburgh: Churchill Livingstone 2007

Maddison JE, Page S, Church DB. Small Animal Clinical Pharmacology. 2nd Edn. Philadelphia: WB Saunders & Co 2008

### VETS3018

#### Animal Behaviour and Animal Welfare Sci Veterinary Science

**Credit points:** 3 **Teacher/Coordinator:** Assoc Prof Paul McGreevy **Session:** Semester 1 **Classes:** lectures: 16 hrs practicals: 26 hrs **Assumed knowledge:** Veterinary Science Years 1 - 2 **Assessment:** intrasemester: 2 x 2 written assignments (50%) end of semester: 1 x 1.5 hr examination (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

Animal Behaviour and Animal Welfare Science is the study of normal and abnormal behaviours in domestic and captive species. Animal Behaviour is one of the core knowledge areas for veterinarians because it facilitates the recognition of disease states and helps veterinarians to make informed comment on animal welfare issues. Additional training in the area would be required for those aspiring to become specialist veterinary behaviour therapists. The Unit of Study draws on knowledge of many aspects of animal husbandry, evolutionary biology and physiology, pharmacology and psychology. The course focuses on the importance of understanding ethology, learning theory and trainers' techniques and includes demonstrations from expert animal handlers and trainers.

#### Textbooks

Unit of Study handbook

Gregory N. The Physiology and Behaviour of Animal Suffering. UFAW

Manning A, Dawkins MS. Introduction to Animal Behaviour. Cambridge University Press.

Houpt KA. Domestic Animal Behaviour for Veterinarians and Animal Scientists. Iowa State University Press.

Webster AJF. Animal Welfare - a cool eye towards Eden. Blackwell Scientific Publishing.

### VETS3025

#### Veterinary Public Health Veterinary Science

**Credit points:** 4 **Teacher/Coordinator:** Dr Jenny-Ann Toribio **Session:** Semester 2 **Classes:** lectures: 38 hrs tutorials: 4 hrs Abattoir experience practicals: 8 hrs **Assumed knowledge:** Veterinary Science Years 1 - 2 **Assessment:** intra-semester: 1 x epidemiology assignment (20%) end of semester: 1 x final written examination (65%) other: Abattoir experience week assessment (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V Sc.

Veterinary Public Health encompasses 3 topics: veterinary epidemiology, food safety and zoonoses. Knowledge of these allows veterinarians to play a vital role in maintaining human health. Veterinary Epidemiology which is the study of disease patterns provides understanding of the occurrence of human and animal disease necessary for effective control. Veterinarians have an increased role in Food Safety from clinical practice to food standards regulation. There will be a number of practical classes to prepare students for their compulsory extramural visit to an abattoir during the following 12 months. Zoonoses are important for veterinary occupational health and safety and for the health of our clients. The course in Veterinary Public Health builds on Veterinary Pathology, Veterinary Microbiology and Veterinary Parasitology and runs concurrently with Animal Disease and Professional Practice 3. Topics are dealt with in the context provided by the Animal Disease cases.

#### Textbooks

A Unit of Study Handbook contains detailed notes for Veterinary Public Health. Andriessen E. Meat Safety Quality and Veterinary Public Health in Australia. 4th edn. Port Adelaide Penny Farthing Publishing Services 2001

Buncic S. Integrated Food Safety and Veterinary Public Health. Oxford CABI 2006

Stevenson WJ, Hughes KL. Synopsis of Zoonoses in Australia. 2nd edn. Canberra Australian Government Publishing Service 1988

Thrusfield M. Veterinary Epidemiology. 3rd edn. Oxford Blackwell Science 2005

### VETS3027

#### Veterinary Clinical Sciences 3 Veterinary Science

**Credit points:** 7 **Teacher/Coordinator:** Assoc Prof Geraldine Hunt **Session:** Semester 2 **Classes:** lectures: 78 hrs practicals: 12 hrs tutorials: 6 hrs **Prerequisites:** Veterinary Science Years 1 - 2, Semester 1 Year 3. **Assessment:** intrasemester: 1 x multiple choice questionnaire (20%), 1 x essay (20%), end of semester: 1 x 2 hr written examination consisting of short answer questions (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V Sc.

Veterinary Clinical Science is the first Unit of several which develop skills in the clinical sciences. It builds on all of the preclinical Units and precedes a species-based approach to clinical issues. This unit of study is designed to impart basic skills in imaging, anaesthesia, surgery and medicine using relevant clinical case material.

#### Textbooks

Fossum. Small Animal Surgery. 2nd edn. Mosby 2002

Nelson, Couto. eds. Small Animal Internal Medicine. 3rd edn. Mosby 2003

Hall, Clarke, Trim, Veterinary Anaesthesia. 10th edn. WB Saunders 2001

Thrall DE (ed). Textbook of Veterinary Diagnostic Radiology. WB Saunders, Philadelphia, 4th edn, 2002.

Nyland TG, Mattoon JS. Small Animal Diagnostic Ultrasound, WB Saunders Co, Philadelphia, 2nd edn, 2002.

Lavin LM. Radiography in Veterinary Technology. WB Saunders, Philadelphia, 3rd edn, 2003.

### VETS3038

#### Animal Disease Veterinary Science

**Credit points:** 9 **Teacher/Coordinator:** Dr Kate Bosward **Session:** Semester 2 **Classes:** lectures: 65 hrs practicals: 25 hrs group work: 20 hrs **Prohibitions:** VETS3020 **Assumed knowledge:** Veterinary Science Years 1 - 2, Semester 1 Year 3 **Assessment:** intra-semester: 1 x mid-semester exam (15%) end of semester: 1 x final exam (65%) other: 4 x assignments, some of which include a group component (5% each). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V Sc.

This unit extends and integrates knowledge in Veterinary Parasitology, Veterinary Microbiology, Veterinary Pathology and Veterinary Pharmacology. The Unit is presented in a series of disease cases in a herd or individual animal. For each case students work through causative agents, differential diagnosis, diagnostic techniques and arrive at treatment and control solutions. The course includes diseases caused by a wide range of infectious organisms, as well as nutritional and genetic disease in a range of animals of veterinary interest. Linked to each case is a major topic which is one theme in Veterinary Public Health (epidemiology, zoonoses, hygiene) or therapy. The cases are also linked to Professional Practice themes.

#### Textbooks

Unit of Study Handbook

Recommended Reading: Varies between cases. Reading lists provided at the start of each case.

### VETS3039

#### Professional Practice 3 Veterinary Science

**Credit points:** 4 **Teacher/Coordinator:** Dr John Baguley **Session:** Semester 2 **Classes:** lectures: 20 x 1 hr presentations tutorials: 11 x 1 hr tutorials group work: 11 x 1 hr **Assumed knowledge:** VETS1021, VETS1017, VETS2008 **Assessment:** intra-semester: Group Presentation, Individual Reflection end of semester: 1 x examination **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

This unit provides students with material to aid their understanding of financial and legal perspectives in the management of cases and scenarios typical of veterinary practice life. There is a focus upon the legislative environment through a preliminary study of the various Acts and other legislation pertaining to the practice of veterinary science.

Other perspectives such as implications for practice management and finance are also developed through scenarios linked to clinical material presented in other units of study this semester. Classes comprise student presentations supported by talks from appropriate authorities, lectures and tutorials. The majority of learning for this unit of study is completed in groups and hence there is an additional emphasis upon the development of teamwork skills and their application to veterinary practice.

#### Textbooks

Unit of Study Handbook

### VETS3040

#### Veterinary Microbiology Veterinary Science

**Credit points:** 5 **Teacher/Coordinator:** Dr Jacqui Norris **Session:** Semester 1 **Classes:** lectures: 56 hrs practicals: 9 hrs **Prerequisites:** VETS2013 **Assumed knowledge:** Veterinary Science Years 1 - 2 **Assessment:** intra-semester: 1 x Case-based quiz (15%), 1 x Practical exam: identifying an unknown bacteria (5%) end of semester: 1 x Theory exam (45%), 1 x Practical exam (20%). assignments: Development of a visual learning tool for microbiology (15%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

Veterinary Microbiology encompasses veterinary bacteriology, virology, and mycology. This unit of study uses clinical cases and research studies to 1) explore the unique features of these infectious agents, 2) explore their role in the development of animal disease; 2) critically analyse the strategies used for their diagnosis, treatment and control; and 3) encourage an evidence based approach to investigating clinical problems. Veterinary microbiology is based on an understanding of the structure and function of bacteria, viruses and fungi of veterinary significance as well as the pathological and immunological processes taught in Principles of Disease VETS2013. Veterinary Microbiology helps to prepare students for Animal Disease VETS3242, clinical subjects and life in veterinary practice.

#### Textbooks

Textbook of Veterinary Microbiology (VETS3040) and Animal Disease (VETS3038): Virology, Mycology and Special Bacteria. 2009: University of Sydney

Textbook of Veterinary Microbiology (VETS3040) and Animal Disease (VETS3038): Bacteriology. 2009: University of Sydney

#### Reference Books:

Greene CE. Infectious Diseases of the Dog and Cat. 3rd edn. Philadelphia: WB Saunders 2005

Hirsh DC, Zee YC. Veterinary Microbiology. 2nd edn. Blackwell Publishing 2004

Murphy FA. et al. Veterinary Virology. 3rd edn. San Diego: Academic Press 1999

Quinn. Markey. Carter. Donnelly. Leonard. Veterinary Microbiology and Microbial Disease. Mass: Blackwell Science 2002

### VETS3041

#### Veterinary Parasitology Veterinary Science

**Credit points:** 5 **Teacher/Coordinator:** Dr Jan Slapeta **Session:** Semester 1 **Classes:** lectures: 39 hrs practicals: 24 hrs tutorials: 8 hrs **Assumed knowledge:** Veterinary Science Years 1 - 2 **Assessment:** Intra-semester: 1 x exam (10%), 5 x practical exercises (10%), 1 x group project on a topical area of parasitology (15%) End of Semester: 1 x practical examination (10%) which will require some identification of parasites of veterinary importance. 1 x written examination (55%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

Veterinary Parasitology is a study of the common diseases of companion and commercial animals caused by protozoan, nematode, platyhelminth, insect and acarine parasites. The course includes the biology of parasites, with emphasis on principles of the pathogenesis, diagnosis, epidemiology, treatment and control of parasitic diseases. Veterinary Parasitology assumes an understanding of basic biological principles and knowledge of the anatomy and physiology of animals. The unit is a preparation for Animal Disease VETS3242.

#### Textbooks

Unit of Study Workbook is available through the Faculty.

#### Recommended Textbook:

Taylor. Coop. Wall. Veterinary Parasitology. 3rd Edn. Blackwell Publishing. 2007

#### Reference Books

Schmidt. Roberts. Foundation of Parasitology. 7th Edn. McGraw-Hill 2005

Zajac. Conboy. Veterinary Clinical Parasitology. 7th Edn. Blackwell Publishing. 2006

Students can access the following recommended paper from student resources on WebCT

Richard-Ballweber. The practical Veterinarian: Veterinary Parasitology. Butterworth-Heinemann. 2001

### VETS3242

#### Animal Disease Veterinary Science

**Credit points:** 8 **Teacher/Coordinator:** Dr Katrina Bosward **Session:** Semester 2 **Classes:** lectures: 65 hrs practicals: 25 hrs group work: 20 hrs **Prerequisites:** Veterinary Microbiology VETS3040 and Veterinary Parasitology VETS3041 **Prohibitions:** VETS3020, VETS3038 **Assumed knowledge:** Veterinary Science Years 1 - 2, Semester 1 Year 3 **Assessment:** intra-semester: 1 x mid-semester exam (15%) end of semester: 1 x final exam (65%) other: 4 x assignments, some of which include a group component (5% each). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

This unit extends and integrates knowledge in Veterinary Parasitology, Veterinary Microbiology, Veterinary Pathology and Veterinary Pharmacology. The Unit is presented in a series of disease cases in a herd or individual animal. For each case students work through causative agents, differential diagnosis, diagnostic techniques and arrive at treatment and control solutions. The course includes diseases caused by a wide range of infectious organisms, as well as nutritional and genetic disease in a range of animals of veterinary interest. Linked to each case is a major topic which is one theme in Veterinary Public Health (epidemiology, zoonoses, hygiene) or therapy. The cases are also linked to Professional Practice themes.

#### Textbooks

Unit of Study Handbook

Recommended Reading: Varies between cases. Reading lists provided at the start of each case.

### VETS3243

#### Veterinary Clinical Pathology Veterinary Science

**Credit points:** 4 **Teacher/Coordinator:** Professor Paul Canfield **Session:** Semester 2 **Classes:** Lectures: 36 x 1hr Practical/tutorials: 6 x 2 hrs **Prerequisites:** Veterinary Science Years 1 - 2, Semester 1 Year 3. **Prohibitions:** VETS3025 **Assumed knowledge:** Semesters 1 to 5 of the BVSc. **Assessment:** Intra-semester: Continual tutorial / Practical evaluation (20%) End of Semester: 1 x 2hr Open book written exam (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

Veterinary Clinical Pathology involves the application of pathological, biochemical, haematological, microbiological and parasitological techniques and test results to clinical aspects of veterinary science. Practical work includes the examination of specimens taken from living animals by techniques in the above fields. Special attention, throughout the course, is given to the application and interpretation of tests used in the diagnosis, prognosis and management of clinical disease. Material on disease is provided for companion and farm animals as well as wildlife. This course builds on Veterinary Pathology, Veterinary Microbiology, Veterinary Parasitology; integrates horizontally with Small Animal Medicine and Animal Disease taught within the same semester; and prepares students for both small animal practice and large animal health and production and clinical practice.

#### Textbooks

A Unit of Study Handbook and WEBCT e-learning site contains detailed information and notes for Veterinary Clinical Pathology.

Recommended reading available from the University of Sydney Library:

Rebar AH, MacWilliams PS, Feldman BF, Metzger Jr FL, Pollock RVH, Roche J. Ed. Cann CC. A Guide to Hematology in Dogs and Cats. Teton NewMedia, Jackson Wyoming. USA. 1st Edn. 2002. ISBN 1-893441-48-2.

Raskin RE, Meyer DJ. Eds. Atlas of Canine and Feline Cytology. WB Saunders Co., Philadelphia, USA. 1st Edn. 2001. ISBN 0-7216-6335-4.

Harvey J. Atlas of Veterinary Hematology. WB Saunders Co., Philadelphia, USA. 1st Edn. 2001. ISBN 0-7216-6334-6.

Kaneko JJ, Harvey JW, Bruss ML. Clinical Biochemistry of Domestic Animals. Eds. Academic Press Inc., San Diego, California, USA, 5th Edn. 1997. ISBN 0-12-396305-2.

Hawkey CM, Dennett TB. Color Atlas of Comparative Veterinary Hematology. Iowa State University Press, Ames, Iowa, USA. 1st Edn. 1989. ISBN 0-8183-0449-3.

Baker R, Lumsden JH. Eds. Color Atlas of Cytology of the Dog and Cat. Mosby Inc., St Louis, USA. 1st Edn. 2000. ISBN 0-8151-0402-2.

Archer RK, Jeffcott LB. Comparative Clinical Haematology. Blackwell Scientific Publications, Oxford, UK. 1st Edn. 1977. ISBN 0-632-00289-1.

Cowell RL, Tyler RD, Meinkoth JH. Eds. Diagnostic Cytology and Hematology of the Dog and Cat. Mosby Inc., St Louis, USA. 2nd Edn. 1999. ISBN 0-8151-0362-X.

Cowell RL, Tyler RD. Eds. Diagnostic Cytology and Hematology of the Horse. Mosby Inc., St Louis, USA. 2nd Edn. 2002. ISBN 0-323-01317-1.

Latimer KS, Mahaffey EH, Prasse KW. Eds. Duncan & Prasse's Veterinary Laboratory Medicine. Clinical Pathology. Iowa State University Press, A Blackwell Publishing Co., Ames, Iowa, USA. 1st Edn. 1989. ISBN 0-8183-2070-7.

Eade SC, Bounous DI, Ed. Pratt PW. Laboratory Profiles of Equine Diseases. Mosby Inc., St Louis, USA. 1st Edn. 1997. ISBN 0-8151-1731-0.

Sodikoff CH. Laboratory Profiles of Small Animal Diseases. Mosby Inc., St Louis, USA. 3rd Edn. 2001. ISBN 0-323-00956-5.

Davidson M, Else R, Lumsden J. Eds. British Small Animal Veterinary Association, Cheltenham, UK. 1998. ISBN 0-905214-41-2.

Jain NC, Schalm's Veterinary Hematology. Lea & Febiger, Philadelphia, Pennsylvania, USA. 4th Edn. 1986. ISBN 0-8121-0942-2.

Feldman BF, Zinkl JG, Jain NC. Eds. Schalm's Veterinary Hematology. Lippincott Williams & Wilkins, Philadelphia, Pennsylvania, USA. 5th Edn. 2000. ISBN 0-683-30692-8.

Willard MD, Tvedten H, Turnwald GH. Small Animal Clinical Diagnosis by Laboratory Methods. WB Saunders Co, Philadelphia, Pennsylvania, USA. 3rd Edn. 1999. ISBN 0-7216-7160-8.

Reagan WG, Sanders TG, DeNicola DB. Veterinary Hematology. Atlas of common domestic species. Manson Publishing, London, UK. 1st Edn. 1998. ISBN 01-8745-88-X.

Thrall MA, Baker DC, DeNicola D, Fettman MJ, Lassen ED, Rebar A, Weiser G, Ed. Troy DB. Veterinary Hematology and Clinical Chemistry. Lippincott Williams & Wilkins, Philadelphia, Pennsylvania, USA. 1st Edn. 2004. ISBN 0-683-30415-1.

Meyers DJ, Coles EH, Rich LJ. Veterinary Laboratory Medicine. WB Saunders Co, Philadelphia, Pennsylvania, USA. 1st Edn. 1992. ISBN 0-7216-2654-8.

## VETS3244

### Small Animal Medicine and Therapeutics 1 Veterinary Science

**Credit points:** 8 **Teacher/Coordinator:** Dr Linda Fleeman **Session:** Semester 2 **Classes:** Lectures: 72 x 1 hr Tutorials: 24 x 1 hr **Prerequisites:** Semesters 1 to 5 of the BVSc **Assumed knowledge:** Semesters 1 to 5 of the BVSc **Assessment:** Intra-semester: Assignments (10%), 1 x Examination (40%) End of Semester: 1 x Final Examination (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

Small Animal Medicine & Therapeutics 1 is the foundational unit of small animal veterinary medicine and expands on the application of the fundamental principles of Veterinary Pharmacology (VETS3013).

This unit builds upon concepts of problem-solving and pathological processes explored earlier in the curriculum. It enables integration and application of knowledge learnt in Veterinary Anatomy & Physiology 1A, 1B, 2A and 2B

(VETS1014, VETS1034, VETS2011, VETS2016), Principles of Disease (VETS2013), Veterinary Microbiology (VETS3040), Animal Disease (VETS3038), Veterinary Pathology (VETS3011) & Veterinary Pharmacology and Toxicology (VETS3013).

Through predominantly case-based teaching, this unit of study enables undergraduate veterinary students to develop clinical reasoning frameworks using the problem-oriented approach to medicine and lays the foundation for practicing as a small animal clinician. Further, this unit integrates veterinary pharmacology, enabling the development of specific therapeutic plans for small animal patients based on fundamental principles and evidence-based medicine.

Assessment: Small Animal Medicine & Therapeutics 1 includes assignment/s that provide students with the opportunity to develop foundational skills in clinical examination of the small animal patient, intra-semester evaluations and an end of semester examination.

#### Textbooks

The recommended textbook for the Small Animal Medicine Component of this unit is:

Nelson RW, Couto CG. Eds. Small Animal Internal Medicine. Mosby, St Louis, Missouri, USA. 4th Edn. 2003

The recommended textbook for the Pharmacology component of this unit is: Maddison JE, Page S, Church DB. Eds. Small Animal Clinical Pharmacology. Elsevier Health Sciences. 2002

Other core texts:

Ettinger SJ, Feldman EC. Eds. Textbook of Veterinary Internal Medicine: Diseases of the dog and cat. Vol 1 & 2. Saunders Elsevier Missouri, USA. 2005

Feldman EC, Nelson RW. Canine and Feline Endocrinology and Reproduction. Saunders, St. Louis, Missouri, USA. 3rd Edn. 2004

Kittleson MD, Kienle RD. Small Animal Cardiovascular Medicine. Mosby, St Louis, Missouri, USA. 1998

Fox PR, Sisson D, Moise NS. Eds. Textbook of Canine and Feline Cardiology: Principles and Clinical Practice. 2nd Edn. WB Saunders, Philadelphia, USA. 1999

Braund KG. Clinical Syndromes in Veterinary Neurology. 2nd Edn. Mosby Year Book, St Louis, USA. 1993

## VETS4042

### Veterinary Research A Veterinary Science

**Credit points:** 24 **Teacher/Coordinator:** Dr Glenn Shea **Session:** Semester 1 **Classes:** No lectures or classes. **Prerequisites:** Veterinary Science Years 1, 2 and 3. **Corequisites:** VETS4043 **Assessment:** Thesis, executive summary, oral presentation and oral examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Sc (Vet).

In this unit students undertake a period of supervised research in a topic in Veterinary Science.

## VETS4043

### Veterinary Research B Veterinary Science

**Credit points:** 24 **Teacher/Coordinator:** Dr Glenn Shea **Session:** Semester 2 **Classes:** No lectures or classes. **Prerequisites:** VETS4042 **Assessment:** Thesis, executive summary, oral presentation and oral examination. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Sc (Vet).

This unit of study is a continuation of VETS4042.

## VETS4111

### Veterinary Anaesthesia Veterinary Science

**Credit points:** 4 **Teacher/Coordinator:** Dr Sanaa Zaki **Session:** Semester 1 **Classes:** Lectures: 30 hrs practicals/tutorials: 14 hrs **Prerequisites:** Veterinary Science Years 1 - 3 **Assessment:** Intra-semester: A combination of assignments, quizzes and practical assessment (40%) end of semester: 1 x 90 min written examination (60%) other: Formative assessment throughout semester **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc, Grad Dip Vet Sc.

This course teaches students about the planning and implementation of safe anaesthesia for small and large animals. Where possible case material from both Veterinary Teaching Hospitals is incorporated to highlight the clinical application of this unit of study. The focus is primarily on dogs, cats, horses and production animals; however discussion of other species is included.

Within the scope of Veterinary Anaesthesia the course will cover: different anaesthetic agents and techniques for different species; anaesthesia for common disease conditions; equipment used in anaesthesia; pain management; and resuscitation techniques for cardio-pulmonary arrest.

Lectures introduce the theory that underpins safe and humane anaesthetic practice. Tutorial classes reinforce and develop further the concepts discussed in lectures. Practical classes demonstrate to students the techniques and procedures performed routinely during clinical anaesthesia as well as life saving procedures that may be required in an emergency. Clinical Learning sessions introduce students to the Anaesthesia Unit at the UVTH-S and provide opportunity for them to observe anaesthetic procedures and participate in clinical rounds.

#### Textbooks

Unit of Study Handbook

Hall, Clarke, Trim. Veterinary Anaesthesia. 10th edn. Harcourt

Flecknell, Waterman-Pearson. Pain Management in Animals. WB Saunders

Reference Books

Unit of Study Handbook

**VETS4112****Veterinary Medicine & Clinical Pathology  
Veterinary Science**

**Credit points:** 8 **Teacher/Coordinator:** Dr Linda Fleeman **Session:** Semester 1 **Classes:** lectures: 61 hrs approx practicals: 9 hrs tutorials: 34 hrs approx **Prerequisites:** Veterinary Science Years 1 - 3 **Assessment:** intra-semester: 1 x Clinical Pathology and Veterinary Medicine Exam (30%) end of semester: 1 x Veterinary Clinical Pathology Exam (20%), 1 x Veterinary Medicine Exam (50%). See the VETS4112 UoS Handbook for details. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc, Grad Dip Vet Sc.

Medicine commenced in third year as part of clinical sciences, and now continues through the first semester of fourth year. Resource sessions on diseases of various organ systems constitute the didactic component. Case based material will be utilized for tutorials and practical classes. Veterinary Clinical Pathology is integrated into the course and assists in the diagnostic process by providing laboratory information, which may also be utilized in monitoring response to treatment. Laboratory data analysis will form the major part of lectures and tutorials. The unit of study is based on the study of dogs and cats with reference to other animal species as necessary.

*Textbooks*

See the VETS4112 UoS Handbook

**VETS4113****Veterinary Radiology  
Veterinary Science**

**Credit points:** 4 **Teacher/Coordinator:** Prof Robert Wrigley **Session:** Semester 1 **Classes:** lectures: 26 hrs tutorials: 26 hrs **Prerequisites:** Veterinary Science Years 1 - 3 **Assessment:** intrasemester: Formative assessment using Multiple Choice Questions and/or Web CT (30%). end of semester: Written examination (70%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc, Grad Dip Vet Sc.

The course covers the radiographic appearance of the normal structure and function of the various organ systems commonly investigated by radiology. Students will be taught to recognise, describe and diagnose the changes in structure and function related to diseases that are commonly found in radiographs. There will be an introduction to the special radiological techniques, including radiological contrast studies that are commonly used to further demonstrate diseases. The role of diagnostic ultrasound in the diagnosis of the common diseases of soft tissues will also be covered.

*Textbooks*

Thrall DE. Textbook of Veterinary Diagnostic Radiology. 4th edn. Philadelphia: WB Saunders Company 2002 Nyland TG. Mattoon JS. Small Animal Diagnostic Ultrasound. 2nd edn. Philadelphia: WB Saunders Company 2002

**VETS4114****Veterinary Surgery  
Veterinary Science**

**Credit points:** 6 **Teacher/Coordinator:** Assoc Prof Geraldine Hunt **Session:** Semester 1 **Classes:** lectures: 44 hrs practicals: 24 hrs **Prerequisites:** Veterinary Science Years 1 - 3 **Assessment:** intra-semester: MCQ week 7 or 8 (25%) end of semester: 1 x written final exam (60%) other: 1 x 1,000 word essay (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc, Grad Dip Vet Sc.

Lectures, demonstrations and practical classes address the principles and practice of soft tissue and orthopaedic surgery in companion animals using an integrated, systems and problem-orientated approach. Practical classes provide instruction and practice in basic procedures such as desexing, cystotomy, gastrointestinal biopsy and resection, fracture fixation, surgery for cruciate ligament rupture, ophthalmic surgery, and other common surgical procedures.

*Textbooks*

Fossum TW and others. Small Animal Surgery. Mosby, St Louis

*Reference Books:*

The VETS4114 Handbook provides references and material that supplements the textbook.

*Recommended Reading:*

Piermattei. Flo. DeCamp. Handbook of Small Animal Orthopedics and Fracture Repair. 4th edn. WB Saunders 2006

Piermattei DL, Johnson KA. An Atlas of Surgical Approaches to the Bones of the Dog and Cat. 4th edn. WB Saunders 2004

**VETS4221****Bird Health and Production  
Veterinary Science**

**Credit points:** 4 **Teacher/Coordinator:** Dr Patricia Holyoake, Prof Richard Whittington. **Session:** Semester 2 **Classes:** lectures: 34 hrs (14 chickens + 15 caged birds, reptiles & pocket pets + 5 fish). practicals: 18 hrs (5 chickens + 10 caged birds + 3 fish). **Prerequisites:** Veterinary Science Years 1 - 3 **Assessment:** Intra-semester: 1 x Fish assignment (10%); Chicken/Caged bird/pocket pet mid-semester assignment (40%). End of semester: 1 x Written exam (50%). Other: Formative assessment of animal handling during practical class sessions. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc, Grad Dip Vet Sc.

The aim is to develop knowledge and skill in medicine of birds (including poultry). Emphasis is placed on the epidemiology, management and preventive medicine of chickens (commercial broiler and layer operations) and diagnostics, medicine and surgery of caged birds.

For poultry, there is a large focus on how to approach a production or health-limiting problem on-farm to resolve any performance-limiting issues.

The cage bird component covers a wide range of avian species including waterfowl, psittacine and passerine birds. It will address the collection and analysis of clinical, necropsy and clinicopathologic information to investigate individual bird and flock problems. It will cover individual bird and flock therapy.

This unit of study also includes medicine of reptiles, "pocket pets" (rabbits, guinea pigs etc.) and aquatic animals. The reptile and "pocket pets" component will cover anatomy and physiology applicable to clinical examination and common problems encountered in practice in Australia. The diagnosis and treatment of common conditions affecting aquarium fish and aquaculture enterprises will also be presented. This will include epidemiological approaches to production limiting problems. Students will gain experience handling representatives of the common species and performing common clinical procedures.

*Textbooks*

Unit of Study Handbook.

*Reference Books:*

Noga EJ. Fish Disease- Diagnosis and Treatment. Iowa State University Press. 2000

Ferguson HW. Systemic Pathology of Fish. 2nd edn. Scotian Press. 2006

Roberts RJ. Fish Pathology. 3rd edn. London Harcourt Publishers Ltd. 2001

Stoskopf MK. Fish Medicine. Philadelphia: WB Saunders. 1993

Y Saif. ed. Diseases of Poultry. 11th edn. Iowa State University Press 2003

**VETS4222****Horse Medicine and Surgery  
Veterinary Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Tony D. Mogg **Session:** Semester 2 **Classes:** lectures: 40 hrs practicals: 36 hrs tutorials: 2 hrs **Prerequisites:** Veterinary Science Years 1 - 3 **Assessment:** intrasemester: 1 x Written exam; Scenario based assignment; Horse handling practical exam end of semester: 1 x Written exam other: 1 x Practical exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc, Grad Dip Vet Sc.

Horse Medicine and Surgery is designed to provide a foundation whereby students become competent to deal with a horse or horses experiencing common medical or surgical problems as would be encountered in mixed practice. Much of the lecture course utilises problem-based learning using a case-based approach. This approach is designed to augment skills developed in other disciplines including anatomy, pathology, microbiology, pharmacology and small animal medicine and surgery. The course is designed to assist the student in learning effective problem solving skills, determination of differential diagnoses and the judicious use of appropriate diagnostic aids when attempting to reach a diagnosis. Options and approaches to commonly used therapeutic measures are included. Areas of emphasis in the course include lameness, respiratory diseases, abdominal pain (colic), weight loss, diseases of foals, ophthalmology, reproductive

management, dermatology and various other aspects of equine surgery and internal medicine. There are a series of practical classes designed to augment and expand the student's experiences in equine medicine, surgery and reproduction.

#### Textbooks

Unit of Study Handbook

#### Reference Books:

Bertone JJ. Horspool LJI. eds. Equine Clinical Pharmacology. WB Saunders 2004

Blanchard TL. et al. Manual of Equine Reproduction. 2nd edn. St Louis: Mosby 2003

Reed SM. Bayly WM. Sellon D. eds. Equine Internal Medicine. 2 edn. W.B. Saunders 2003

Robinson NE. ed. Current Therapy in Equine Medicine 5. WB Saunders 2002

Ross MW. Dyson SJ. Diagnosis and Management of Lameness in the Horse. WB Saunders 2003

Smith BP. ed. Large Animal Internal Medicine, 3rd edn. Mosby Yearbook 2001

Stashak TS. ed. Adam's Lameness in Horses. 5th edn. Lea & Febiger 2002

### VETS4223

#### Pig Health and Production

##### Veterinary Science

**Credit points:** 4 **Teacher/Coordinator:** Dr Trish Holyoake **Session:** Semester 2 **Classes:** lectures: 20 hrs practical: 5 hrs tutorial: 2 hrs independent learning: 12 hrs **Prerequisites:** Veterinary Science Years 1 - 3 **Assessment:** intra-semester: Group WebCT exercise, 1 x individual multiple choice exam end of semester: 1 x 1 hr written exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc, Grad Dip Vet Sc.

The aim of this unit of study is to provide students with an understanding of the major factors driving the profitability and sustainability of the commercial pig industry. Students will be provided with the basic skills to resolve production and profit-limiting problems on pork production units. The emphasis is on managing endemic disease and preventive medicine, with consideration given to welfare and biosecurity aspects of intensively housed animals. There is some exposure given to pet pigs and use of pigs as models for biomedical research. Practical classes are designed to provide students with the opportunity to observe and participate in specialized husbandry and diagnostic practices undertaken on pig farms. Students will have the opportunity to practice problem-solving in a pig production setting during a tutorial.

#### Textbooks

Unit of Study Handbook

Straw BE. et al. Diseases of Swine. 9th edn. 2006

### VETS4224

#### Ruminant Health and Production

##### Veterinary Science

**Credit points:** 10 **Teacher/Coordinator:** Assoc Prof John House **Session:** Semester 2 **Classes:** lectures: 58 hrs practicals: 85 hrs tutorials: 12 hrs TILHAP's **Prerequisites:** Veterinary Science Years 1 - 3 **Assessment:** intrasemester: TILHAP's (15%), 1 x mid-semester exam (35%), end of semester: 1 x final exam (50%) other: Practical classes: Pass/Fail **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc, Grad Dip Vet Sc.

This course aims to facilitate deeper learning approaches to gain an understanding of diseases of ruminants within various livestock production systems. It uses a case-based approach with TILHAP's (Teaching Innovations in Livestock Health & Production) to demonstrate how systematic problem investigations provide an 'evidence basis' for implementing rational disease control by management at the herd and flock level on-farm. This process is extended to problem management at the regional, national and international levels, illustrating the numerous career paths for veterinarians in servicing the food and fibre industries, and preparing students for their extramural training as interns in rural mixed and public practice. The aim is for our graduates to:

Use systematic pathological and epidemiological principles in the conduct of investigations to diagnose the common management and disease problems of ruminants;

Readily obtain information from numerous knowledge resources that can lead to constructive advice, facilitating farm animal production and welfare;

Develop skills in animal handling, clinical examination, pregnancy diagnosis, specimen collection, necropsy procedures, use of diagnostic laboratories and farm animal medicine and surgery;

Apply their skills and knowledge in problem solving to design applied research and extension programs that promote disease control and prevention programs to assist optimal farm animal production.

#### Textbooks

Unit of Study Textbook

Practical Class Handbook.

Pregnancy Diagnosis in Cattle (AACV)

Drought manual (NSW DPI)

Recommended text, either:

Veterinary Medicine 9th edition (Radostits et al) OR

Veterinary Internal Medicine (Smith et al)

### VETS4331

#### Animal Husbandry Practical Report

##### Veterinary Science

**Credit points:** 2 **Teacher/Coordinator:** Dr Pietro Celi **Session:** Semester 1 **Assumed knowledge:** Veterinary Science Years 1-2 before extramural placements commence **Assessment:** 1. Assignments that address issues related to nutrition, reproduction, animal welfare, or scope for veterinary involvement on the farm are to be submitted in the second week of semester one in fourth year of the course. One assignment of 500 words must be submitted for each of the following species; sheep, horse, dairy cattle, beef cattle, pigs and poultry. 2. A test of basic skills used for handling sheep and cattle will be administered at the Camden farms during semester 1, Year 4. Students must pass this assessment to pass the unit of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc, Grad Dip Vet Sc.

Students are required to undertake periods of time on farms to learn aspects of farm management and the roles of veterinarians on farms. Students may have opportunities to practice their animal handling skills during these placements. After completing VETS4331 students will be able to 1) Consistently display safe and systematic competence in large animal handling; 2) identify how the various husbandry and management techniques can impact on animal welfare and animal production and recommend procedures to minimize these impacts; 3) appreciate the significance of the role of veterinarians in the livestock industries; 4) communicate and interact competently with primary producers; 5) develop effective professional standards. The minimum compulsory period of extramural experience in Animal Husbandry is 25 days and is to be done after commencing the course. The number of days required for placement at each farm type is: horse 5 days, dairy 5 days, beef 5 days, sheep 5 days, pig 3 days, poultry 2 days. Students will undertake 5 days of practical classes at the University's Camden farms to develop handling skills with cattle, horses, pigs, sheep and poultry. Students can commence extramural farm placements only after successful completion of animal handling practical classes at Camden and completion of enrolment in all units of study in Years 1 and 2. Students may also undertake an optional 4 weeks of elective placements, which do not carry any assignment requirements.

### VETS5331

#### Preparation Veterinary Practice

##### Veterinary Science

**Credit points:** 2 **Teacher/Coordinator:** Dr John Baguley **Session:** Semester 1, Semester 2 **Classes:** lectures: 14 hrs tutorials: 4 hrs **Prerequisites:** Veterinary Science Years 1 - 4 completed. **Assessment:** intrasemester: Required submissions. end of semester: 1 x exam other: Competency testing in animal handling. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

This unit of study will prepare students as Veterinary Interns for their Intramural and Extramural Clinical Rotations during Year 5. Students will be instructed in practice management, financial management, skills marketing, insurance for practice and human resources, communication with colleagues and clients, time management and

distance learning resources, accessing Virtual Clinical Campus and VEIN, self and stress management and job seeking skills.

There will be focus sessions for each Year 5 Unit of Study. Professional ethical behaviour will be discussed throughout the course. Preparation and delivery of assignments and all formal requirements for the Extramural Rotations will be presented. Learning activities include lecture presentations, seminars, small group tutorials, self-completion tasks and skills checks.

*Textbooks*  
Unit of Study Handbook

### VETS5335

#### Small Animal Practice (Extramural)

##### Veterinary Science

**Credit points:** 5 **Teacher/Coordinator:** Dr John Baguley **Session:** Semester 1, Semester 2 **Classes:** practicals: 24 day practicum **Prerequisites:** Veterinary Science Years 1 - 4 **Assessment:** intra-semester: 4 x case logs (4 cases: 2,500 words), 1 x communication task, 1 x Supervisor Report Form. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day  
*Note: Department permission required for enrolment. Note: Departmental permission required*

**Associated degrees:** B V Sc.

The core small animal practice extramural rotation builds upon skills, knowledge and attitudes, developed throughout the entire course and is designed to enable final year students or veterinary interns to gain a holistic understanding and experience of small animal practice prior to graduation. Veterinary interns are placed at a Faculty of Veterinary Science approved small animal practice of their choice for a 24 day rotation. During this time interns are expected to negotiate workplace tasks with their Extramural Supervisor that enable the achievement of learning outcomes linked to the development of graduate attributes.

Interns are expected to fully participate in agreed activities whilst attending the practice, typically taking on the role and schedule of a full time supervised associate. The requirements for this rotation include the completion of the following documents: an Introductory Letter to the placement at least four weeks prior to the rotation; a Site Contract; Learning Agreement Form; Skills Report Form; and Rotation Feedback Form. During the rotation interns are expected to participate in three meetings with the extramural supervisor and complete a communication task.

*Textbooks*  
Handbook for Extramural Rotations.

### VETS5336

#### Rural Mixed Practice 1 (UVCC)

##### Veterinary Science

**Credit points:** 5 **Teacher/Coordinator:** Dr Tony D. Mogg **Session:** Semester 1, Semester 2 **Classes:** practicals: 26 day practicum **Prerequisites:** Veterinary Science Years 1 - 4 completed **Assessment:** intra-semester: 3 x Supervisor Report Forms; Written Reports; Oral Communication Tasks; Unit of Study Examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Departmental permission required*

**Associated degrees:** B V Sc.

This unit of study provides students with an opportunity to practically apply the knowledge and skills they have developed during years 1 to 4. Through participation in professional activities students are expected to develop their communication skills with the public, staff and colleagues.

Veterinary Interns must achieve a satisfactory grade in all three services (anaesthesia, equine and ruminant health and production) to fulfil the requirements of this unit of study (including passing examinations in all three services). Interns are also required to complete Written Reports and oral Communication Tasks which will be evaluated by the UVCC Supervisor or nominee. Forms to be completed and submitted to the Faculty: 1. Site Contract; 2. Rotation Feedback Forms for each service; and 3. Skills Report Forms for each service.

*Textbooks*  
Handbook for Intramural Rotations.

### VETS5337

#### Rural Mixed Practice 2 (Extramural)

##### Veterinary Science

**Credit points:** 5 **Teacher/Coordinator:** Assoc Prof John House **Session:** Semester 1, Semester 2 **Classes:** practicals: 24 day practicum **Prerequisites:** Veterinary Science Years 1 - 4 completed. **Assessment:** intrasemester: Case Log (4 large animal cases: 2,500 words), 1 x communication task, 1 x Supervisor Report Form. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Departmental permission required*

**Associated degrees:** B V Sc.

This unit of study provides students with an opportunity to practically apply the knowledge and skills they have developed during years 1 to 4. In particular, they will gain experience in livestock and equine practice. Through participation in professional activities students are expected to develop their communication skills with the rural community, staff and colleagues.

Interns are expected to fully participate in agreed activities whilst attending the practice, typically taking on the role and schedule of a full time supervised associate. The requirements for this rotation include the completion of the following documents: an Introductory Letter to the placement at least four weeks prior to the rotation; a Site Contract; Learning Agreement Form; Skills Report Form; and Rotation Feedback Form. During the rotation interns are expected to participate in three meetings with the extramural supervisor and complete a communication task.

*Textbooks*  
Handbook for Extramural Rotations  
Recommended text, either:  
Radostits. et al. Veterinary Medicine 9th edn.  
OR Smith. et al. Veterinary Internal Medicine

### VETS5345

#### Primary Accession Med & Surgery (UVTHS)

##### Veterinary Science

**Credit points:** 4 **Teacher/Coordinator:** Dr Vanessa Barrs **Session:** Semester 1, Semester 2 **Prerequisites:** Veterinary Sciences Years 1-4 **Assessment:** Intrasemester: Supervisor report form. Case presentations at Clinical Rounds. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

This 3 week rotation at the University Veterinary Teaching Hospital Sydney, is designed to give student interns hands-on experience in general practice and exposure to the types of cases they will encounter most commonly after graduation. Interns will have the opportunity to practice clinically-relevant techniques such as history taking, physical examination, diagnostic sample collection, radiology and ultrasound, medical record keeping, critical analysis of case-related information, development and implementation of treatment plans and evaluation of outcomes. A major focus of the rotation will be developing clinical competency in preventative health care programs for small animals, including vaccination and worming protocols. In addition, interns should gain an appreciation of the holistic nature of veterinary practice, the importance of client-veterinarian, veterinarian-patient and collegial interactions, from the moment the client makes an appointment through resolution of the presenting problem and beyond. Students will participate in other University Veterinary Teaching Hospital activities including management of patients in hospital, intensive care duty and weekend duty.

*Textbooks*  
Handbook for Intramural Rotations  
Nelson RW. Couto CG. eds. Small Animal Internal Medicine. 4th edn. Mosby 2003

### VETS5346

#### Referral Medicine (UVTHS)

##### Veterinary Science

**Credit points:** 4 **Teacher/Coordinator:** Dr Vanessa Barrs **Session:** Semester 1, Semester 2 **Classes:** See description **Prerequisites:** Veterinary Sciences Years 1-4 **Assessment:** Intrasemester: Supervisor Report Form. Case-log. Case-record submission. Case-presentation at clinical rounds. Veterinary

literature exercise. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

In this unit of study interns will consolidate the theory of small animal internal medicine (as learnt in V3027 Veterinary Clinical Sciences and V4112 Veterinary Medicine) and apply it to the diagnosis and treatment of disease in small animal patients. Abundant case-material will be provided to enable hands-on application of the problem-orientated approach to veterinary medicine.

In this rotation emphasis will be placed on acquiring excellent skills in history taking and advanced physical examination. Interns will be given ample opportunities to hone their client communication skills and will participate in a variety of interactive tutorials with referral medicine clinicians. Interpretation of diagnostic imaging scans and clinicopathological test results will be an integral part of the rotation. Cases will form the basis of interactive collegiate discussions on identification and assessment of problems and construction of treatment plans on a patient-by-patient basis. Interns will become proficient in professional case-handover procedures through daily presentation of cases at clinical rounds.

As in other UVTHS rotations interns will participate in other hospital activities including collection of samples for diagnostic tests, developing treatment plans, routine health management, disease management, management of patients in hospital, medical record keeping, intensive care duty and weekend duty.

#### Textbooks

Handbook for Intramural Rotations

Nelson RW, Couto CG. eds. Small Animal Internal Medicine. 4th edn. Mosby 2003

### VETS5347

#### Anaesthesia and Intensive Care (UVTHS) Veterinary Science

**Credit points:** 4 **Teacher/Coordinator:** Dr Sanaa Zaki, Dr Kim Ticehurst **Session:** Semester 1, Semester 2 **Classes:** practicals: 15-day practicum including rostered ICU duty, anaesthesia rounds twice weekly and journal club once weekly tutorials: 5 hrs **Prerequisites:** Veterinary Sciences Years 1-4 **Assessment:** intra-semester: Supervisor Report Form (continuous); communication task (oral); competency based practical skills assessment other: Formative self evaluation task **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

This Unit of Study provides student interns with an opportunity to apply the principles and practices of veterinary anaesthesia introduced to them in VETS3027 and VETS4111 in the clinical setting of a large veterinary hospital. This unit of study is designed to give student interns exposure and experience in clinical anaesthesia to help develop a deeper understanding of this discipline and prepare them for veterinary practice. Student interns are involved in the management of a wide variety of cases from the time the patient is admitted for anaesthesia up until the patient has fully recovered. This unit of study aims to foster a culture of shared leadership, team work, professional conduct, compassion and open communication in the work environment. Student interns participate in all activities undertaken by the UVTHS Anaesthesia Unit including (but not restricted to) pre-anaesthetic examination, formulation of anaesthesia and analgesia plans, induction and maintenance of anaesthesia, record keeping, post-operative care (including pain management) and ICU duty. Student interns will learn and practice the many technical skills required to perform general anaesthesia including intravenous catheterisation, endotracheal intubation, collection of blood and urine for diagnostic testing. After completing this unit of study student interns will be able to safely and humanely anaesthetise and recover an ASA health status '1' or '2' small animal patient with a degree of proficiency acceptable for a new graduate (refer to the Faculty of Veterinary Science Graduate Attributes).

#### Textbooks

Handbook for Intramural Rotations

### VETS5348

#### Small Animal Surgery (UVTHS)

### Veterinary Science

**Credit points:** 4 **Session:** Semester 1, Semester 2 **Prerequisites:** Veterinary Sciences Years 1-4 **Assessment:** other: Ongoing assessment using supervisor report form, and assessment of communications tasks including written medical records and oral presentation in Surgery Rounds. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

The UVTHS rotations are designed to give veterinary interns experience in general practice and exposure to the kinds of clients and cases they will encounter upon graduation. In addition, rotation through the referral services will provide students with the opportunity to manage more complex cases and, be exposed to scenarios where referral to a person or practice with more advanced knowledge, training or equipment is indicated. Students will participate in all UVTHS activities, including (but not restricted to) client communication, history taking, physical examination, collection of samples for basic diagnostic tests, radiography, developing treatment plans, routine health management, disease management, medical, surgical and anaesthetic procedures, management of patients in hospital, medical record keeping, intensive care duty and weekend duty.

#### Textbooks

Handbook for Intramural Rotations.

#### Reference Books

Slatter DH. ed. Textbook of Small Animal Surgery. 3rd edn. Philadelphia: WB Saunders 2002

#### Recommended Reading

Lecture notes and handouts for previous clinical units of study.

### VETS5349

#### Rural Public Practice Veterinary Science

**Credit points:** 5 **Teacher/Coordinator:** Assoc Prof Peter Windsor **Session:** Semester 1, Semester 2 **Classes:** practicals: 24 day practicum **Prerequisites:** Veterinary Sciences Years 1-4 **Assessment:** intrasemester: 1 x written report (max. 2,000 words); 1 x reflective journal (max. 500 words); 1 x communication task; 1 x Supervisor Report Form **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Departmental permission required*

**Associated degrees:** B V Sc.

This unit of study involves a 24-day rotation with a public agency or company involved in servicing the rural industries and supporting the food and fire sector. In Australia, the majority of placements are with the NSW Rural Lands Protection Board (RLPB), NSW or other state government Department of Primary Industry (DPI), Australian Department of Agriculture, Fisheries and Forestry (DAFF), CSIRO or other Faculty approved livestock health and production agency servicing the rural livestock industries. This includes research and diagnostic laboratories and pre-approved overseas locations are encouraged, particularly for overseas students in their home state or country. The rotation offers practical opportunities to build on and apply knowledge of livestock production industries acquired in semester 8, particularly in herd management and health, legislation and quarantine, food production and hygiene, disease control and prevention, animal welfare and relevant basic and clinical science disciplines.

Students will be under the supervision of District Veterinarians, Veterinary Officers or their equivalent and as veterinary interns, can be involved in ongoing projects, including implementation of regional animal health plans, applied research activities or veterinary surveillance, extension and regulatory programs.

Interns are expected to fully participate in agreed activities whilst attending this placement, typically taking on the role and schedule of a full time supervised associate. The requirements for this rotation include the completion of the following documents: an Introductory Letter to the placement at least four weeks prior to the rotation; a Site Contract; Learning Agreement Form; Skills Report Form; and Rotation Feedback Form. During the rotation interns are expected to participate in three meetings with the extramural supervisor, complete a communication task under the supervision of the associate veterinarian, contribute a reflective journal and comments to the VETS5335 website, and compile a 'journal standard' written report on



an applied research or extension project or disease investigation conducted during the rotation and of relevance to the placement.

*Textbooks*

Handbook for Extramural Rotations

### VETS5350

#### Elective Rotation 1 Veterinary Science

**Credit points:** 5 **Teacher/Coordinator:** Dr John Baguley **Session:** Semester 1, Semester 2 **Classes:** practicals: 18-day practicum **Prerequisites:** Veterinary Sciences Years 1-4 **Assessment:** intra-semester: Supervisor Report (S/U); Written assignment (S/U); Communication Task (S/U) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

This Unit of Study involves placement at a Faculty approved location linked to the veterinary student intern's career interest area. Suitability of locations will be negotiated between the veterinary intern and elective rotation coordinator. In addition to the more traditional elective rotations e.g., small animal practice, equine practice, rural mixed practice and wildlife experience, veterinary interns may wish to undertake novel forms of elective rotation. Examples may include production of educational or scientific resources for use by the profession or animal owners, and promotion of new ideas to the public. Interns will be under the supervision of an extramural supervisor who will liaise with Faculty, review the aims of the rotation with the intern, and assess the performance of the intern via a standard report form. Interns are expected to fully participate in agreed activities whilst attending the placement, typically taking on the role and schedule of a full time, supervised veterinary associate. The requirements of this rotation include the completion of the following documents: and introductory letter to the placement at least four weeks prior to the rotation; a site contract; learning agreement form; skills report form; and rotation feedback form. During the rotation interns are expected to participate in three meetings with the extramural supervisor and complete a communication task.

*Textbooks*

Handbook for Extramural Rotations

### VETS5351

#### Elective Rotation 2 Veterinary Science

**Credit points:** 5 **Teacher/Coordinator:** Dr John Baguley **Session:** Semester 1, Semester 2 **Classes:** practicals: 18-day practicum **Prerequisites:** Veterinary Sciences Years 1-4 **Assessment:** intra-semester: Supervisor Report (S/U); Written assignment (S/U); Communication Task (S/U) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

This Unit of Study involves placement at a Faculty approved location linked to the veterinary student intern's career interest area. Suitability of locations will be negotiated between the veterinary intern and elective rotation coordinator. In addition to the more traditional elective rotations e.g., small animal practice, equine practice, rural mixed practice and wildlife experience, veterinary interns may wish to undertake novel forms of elective rotation. Examples may include production of educational or scientific resources for use by the profession or animal owners, and promotion of new ideas to the public. Interns will be under the supervision of an extramural supervisor who will liaise with Faculty, review the aims of the rotation with the intern, and assess the performance of the intern via a standard report form. Interns are expected to fully participate in agreed activities whilst attending the practice, typically taking on the role and schedule of a full time, supervised veterinary associate. The requirements of this rotation include the completion of the following documents: and introductory letter to the placement at least four weeks prior to the rotation; a site contract; learning agreement form; skills report form; and rotation feedback form. During the rotation interns are expected to participate in three meetings with the extramural supervisor and complete a communication task.

*Textbooks*

Handbook for Extramural Rotations

### VETS5355

#### Honours Elective Veterinary Science

**Credit points:** 10 **Teacher/Coordinator:** Dr John Baguley **Session:** Semester 1, Semester 2 **Classes:** Practical: 36 day practicum **Prerequisites:** Veterinary Sciences Years 1-4 VETS5331 Preparation for Veterinary Practice. WAM => 70 **Corequisites:** Permission from Faculty to Enrol. **Assessment:** Supervisor Report (S/U) and Communication Task Intra-semester: (S/U) for each placement. Research Supervisor Report (S/U); Oral defence (S/U); and Dissertation (5,000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B V Sc.

This unit of study provides veterinary student interns who have attained a suitable WAM based upon academic achievements in years 1-4 with the opportunity to develop greater proficiency in research within a veterinary related discipline of their choice. Eligible students may enrol in the honours unit of study instead of the two standard elective rotations offered in final year.

### VETS5356

#### Rural Mixed Practice Intramural Veterinary Science

**Credit points:** 10 **Teacher/Coordinator:** Dr Tony D. Mogg **Session:** Semester 1, Semester 2 **Classes:** 54-day practicum **Prerequisites:** Veterinary Science Years 1 - 4 completed **Prohibitions:** VETS4336 **Assessment:** Intra-semester: Supervisor Report Forms; Written Reports; Oral Communication Tasks; Unit of Study Examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

This unit of study provides students with an opportunity to practically apply the knowledge and skills they have developed during years 1 to 4 in a university rural mixed practice. Through participation in professional activities students are expected to develop their communication skills with the public, staff and colleagues. Student interns must achieve a satisfactory grade in all six services (anaesthesia, equine, livestock, small animals, pathology and dermatology) to fulfil the requirements of this unit of study (including passing all unit of study examinations).

*Textbooks*

A course handbook will be available for students. It contains details of clinical rotations, learning objectives, reference lists, assessment, staffing as well as other relevant class material.

### VETS5357

#### Rural Mixed Practice Extramural Veterinary Science

**Credit points:** 3 **Teacher/Coordinator:** Assoc Prof John House **Session:** Semester 1, Semester 2 **Classes:** 18-day Practicum **Prerequisites:** Veterinary Science Years 1 - 4 completed. **Prohibitions:** VETS5337 **Assessment:** Intra-semester: Assignment/s: Supervisor Report (S/U); Case Log (S/U); Communication Task (S/U) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

This unit of study provides students with an opportunity to practically apply the knowledge and skills they have developed during years 1 to 4. In particular, they will gain experience in livestock and equine practice. Through participation in professional activities students are expected to develop their communication skills with the rural community, staff and colleagues, and gain an insight into the career opportunities of a Rural Mixed Practice. Student interns are expected to fully participate in agreed activities whilst attending the practice, typically taking on the role and schedule of a full time supervised associate.

*Textbooks*

Smith BP. Large Animal Internal Medicine Mosby 3rd Edn. Reference Books: Radostits OM, Gay CC, Blood DC, Hinchcliff KW. Veterinary Medicine 10th Edn.

### VETS5358

#### Rural Public Practice Extramural

## Veterinary Science

**Credit points:** 4 **Teacher/Coordinator:** Assoc Prof Peter Windsor **Session:** Semester 1, Semester 2 **Classes:** practicals: 18-day practicum **Prerequisites:** Veterinary Sciences Years 1-4 **Prohibitions:** VETS5349 **Assessment:** intrasemester: 1 x written report (max. 2,000 words); 1 x reflective journal (max. 500 words); 1 x communication task; 1 x Supervisor Report Form **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

This unit of study involves a 28-day rotation with a public agency or company involved in servicing the rural industries and supporting the food and fibre sector. In Australia, the majority of placements are with the NSW Rural Lands Protection Boards (RLPB), NSW or other state government Department of Primary Industry (DPI), Australian Department of Agriculture, Fisheries and Forestry (DAFF), CSIRO or other Faculty approved livestock health and production agency servicing the rural livestock industries. This includes research and diagnostic laboratories and pre-approved overseas locations are encouraged, particularly for international students in their home state or country. The rotation offers practical opportunities to build on and apply knowledge of livestock production industries acquired in semester 8, particularly in herd management and health, legislation and quarantine, food production and hygiene, disease control and prevention, animal welfare and relevant basic and clinical science disciplines. Student interns will be under the supervision of District Veterinarians, Veterinary Officers or their equivalent and may be involved in ongoing projects including the implementation of regional animal health plans, applied research activities, or veterinary surveillance, extension and regulatory programs. Student interns are expected to fully participate in agreed activities whilst attending this placement, typically taking on the role and schedule of a full time supervised veterinary associate.

### Textbooks

Handbook for Extramural Rotations

## VETS5359

### Small Animal Practice Extramural Veterinary Science

**Credit points:** 3 **Teacher/Coordinator:** Dr John Baguley / Dr Christine Hawke **Session:** Semester 1, Semester 2 **Classes:** practicals: 18-day practicum **Prerequisites:** Veterinary Science Years 1 - 4 **Prohibitions:** VETS5335 **Assessment:** intra-semester: Assignments; Supervisor Report (S/U); Case Log (S/U); Communication Task (S/U) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B V Sc.

The small animal practice extramural rotation builds on skills, knowledge and attitudes, developed throughout the entire course and is designed to enable veterinary student interns to gain a holistic understanding and experience of small animal practice prior to graduation. Veterinary student interns are placed at a Faculty of Veterinary Science approved small animal practice of their choice for a one month rotation. During this time interns are expected to negotiate workplace tasks with their extramural supervisor that enable the achievement of learning outcomes linked to the development of graduate attributes. Interns are expected to fully participate in agreed activities whilst attending the practice, typically taking on the role and schedule of a full time, supervised veterinary associate. The requirements of this rotation include the completion of the following documents: an introductory letter to the placement at least four weeks prior to the rotation; a site contract; learning agreement form; skills report form; and rotation feedback form. During the rotation interns are expected to participate in three meetings with the extramural supervisor and complete a communication task.

### Textbooks

A Unit of Study Handbook and WEBCT elearning site contains detailed information & notes for this UoS.

## VIRO3001

### Virology Science

**Credit points:** 6 **Teacher/Coordinator:** Dr Tim Newsome **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, five 2 hour tutorials and six 4 hour practicals per semester. **Prerequisites:** At least 6 credit points of MBLG units

and at least 6 credit points in Intermediate MICR or BCHM or BIOL or IMMU or PCOL or PHSI or PLNT units. For BMedSc students: 42 credit points of Intermediate BMED units including BMED2802. For BScAgr students: PLNT (2001 or 2901) and MICR2024. **Prohibitions:** VIRO3901 **Assumed knowledge:** MICR (2021 or 2921 or 2022 or 2922) **Assessment:** One 2 hour exam, practical work, group presentations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students are very strongly advised to complete VIRO (3001 or 3901) before enrolling in VIRO3002 Medical and Applied Virology in Session 2.*

**Associated degrees:** B Hort Sc, B L W Sc, B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biotechnology), B Sc (Nutrition), B Sc Agr, UG Study Abroad Program.

Viruses are some of the simplest biological machinery known, being completely dependent on hosts for their replication, yet they are also the etiological agents for some of the most important diseases in humans. New technologies that have revolutionised the discovery of new viruses are also revealing a hitherto unappreciated abundance and diversity in the ecosphere, and a wider role in human health and disease. Developing gene technologies have enabled the use of viruses as therapeutic agents, in novel vaccine approaches, gene delivery and in the treatment of cancer. This unit of study is designed to introduce students who have a basic understanding of molecular biology to the rapidly evolving field of virology. Viral infection in plant and animal cells and bacteria is covered by an examination of virus structure, genomes, gene expression and replication. Building upon these foundations, this unit then progresses to examine host-virus interactions, pathogenesis, cell injury, the immune response and the prevention and control of infection. The structure and replication of sub-viral agents: viroids and prions, and their role in disease are also covered. The practical component provides hands-on experience in current diagnostic and research techniques such as molecular biology, cell culture, ELISA and immunoblot and is designed to enhance the students' practical skills and complement the lecture series. Tutorials and case studies cover a range of topical issues and provide a forum for students to develop their communication skills.

### Textbooks

Will be advised

## VIRO3002

### Medical and Applied Virology Medicine

**Credit points:** 6 **Teacher/Coordinator:** Dr Belinda Herring **Session:** Semester 2 **Classes:** One 2 hour lecture per week; one 2 hour tutorial and one 4 hour practical per fortnight. **Prerequisites:** 6 CP MBLG units and at least 6 CP from Intermediate MICR or BCHM or BIOL or IMMU or PCOL or PHSI units. For BMedSc Students: 42 credit points of Intermediate BMED units including BMED2807. **Assumed knowledge:** Intermediate microbiology, immunology, molecular biology and genetics. **Assessment:** Formal examination, progressive assessment, presentation, 2000 word essay, practical assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students are very strongly recommended to complete VIRO(3001 or 3901) before enrolling in VIRO3002 Medical and Applied Virology in Semester 2.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biology & Genetics), B Sc (Molecular Biotechnology), UG Study Abroad Program.

This unit of study explores the way viruses invade cells, infect individual patients and spread in the community. Host/Virus interactions will also be described with a focus on the viral mechanisms that have evolved to combat and/or evade host defence systems. These features will be used to explain the symptoms, spread and control of particular human diseases ranging from the common cold to HIV. The unit will be taught by the Infectious Diseases and Immunology Unit of the Department of Medicine with the involvement of associated clinical and research experts who will contribute lectures on their own special interests and with contributions from the discipline of Microbiology. In the practical classes students will have the opportunity to develop their skills in performing and interpreting the methods currently used in diagnostic and research virology. In the tutorials emerging problems as diverse as SARS and liver cancer will be analysed in the light of the concepts and knowledge being studied in the course.

### Textbooks

FLINT, SJ et al. Principles of Virology. ASM Press. 2004. ISBN 1-55581-259-7

**VIRO3551****Virology Exchange Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**VIRO3552****Virology Exchange Science**

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Special permission is required for this unit of study.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Marine Science), B Sc (Molecular Biology & Genetics), B Sc (Nutrition).

This unit of study is for University of Sydney students in the Exchange Program studying at an overseas university.

**VIRO3901****Virology (Advanced) Science**

**Credit points:** 6 **Teacher/Coordinator:** Dr Tim Newsome **Session:** Semester 1 **Classes:** Two 1 hour lectures per week, plus an additional five 1 hour lectures per semester; five 2 hour tutorials and six 4 hour practicals per semester. **Prerequisites:** At least 6 credit points of MBLG units and at least 6 credit points including one Distinction in Intermediate MICR or BCHM or BIOL or IMMU or PCOL or PHSI or PLNT units. For BMedSc students: 42 credit points of Intermediate BMED units including Distinction in BMED2802. For BScAgr students: PLNT (2001 or 2901) and MICR2024 including one Distinction. **Prohibitions:** VIRO3001 **Assumed knowledge:** MICR (2021 or 2921 or 2022 or 2922) **Assessment:** One 2.5 hour exam, continuous assessment, practical work, group presentations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students are very strongly advised to complete VIRO (3001 or 3901) before enrolling in VIRO3002 Medical and Applied Virology in Session 2.*

**Associated degrees:** B Med Sc, B Sc, B Sc (Bioinformatics), B Sc (Environmental), B Sc (Molecular Biotechnology), B Sc (Nutrition), UG Study Abroad Program.

This unit is available to students who have performed well in Intermediate Microbiology and is based on VIRO3001 with a series of additional lectures related to the research interests in the Discipline. Consequently, the unit of study content may change from year to year.

*Textbooks*

Will be advised

**VSAO1008****Italian Diction for Singers 1 Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1, Semester 2 **Classes:** 2hr class/wk **Assessment:** Continuous during semester (20%), oral and written exam (50%), recital (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The aim of this series of units is to concentrate on language specific to the needs of singers; with a focus on the pronunciation and diction, including the International Phonetic Alphabet (IPA). Throughout the course, knowledge and skills are cumulative, and material taught is determined by the specific needs of individual students and the

requirements of classical vocal repertoire, both solo and ensemble. For further information contact Nicole Dorigo (Vocal Studies & Opera)

**VSAO1009****German Diction for Singers 1 Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1, Semester 2 **Classes:** 2hr class/wk **Assessment:** Continuous during semester (20%), oral and written exam (50%), recital (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The aim of this series of units is to concentrate on language specific to the needs of singers; with a focus on the pronunciation and diction, including the International Phonetic Alphabet (IPA). Throughout the course, knowledge and skills are cumulative, and material taught is determined by the specific needs of individual students and the requirements of classical vocal repertoire, both solo and ensemble. For further information contact Nicole Dorigo (Vocal Studies & Opera)

**VSAO1014****Opera Voice 1 Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson or equivalent, and one concert practice/wk. **Corequisites:** VSAO1041 Opera Italian 1, VSAO1045 Opera German 1 and VSAO1043 Opera French 1 **Assessment:** Two performance workshops. Teacher grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op, Dip Op, UG Study Abroad Program.

The aim of this series of units is to develop the voice as an operatic instrument through work on style, phrasing, diction, enunciation, and interpretation. For further information, contact the Chair (Vocal Studies and Opera).

**VSAO1015****Opera Voice 2 Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson or equivalent, and two concert practice performances. **Prerequisites:** VSAO1014 Opera Voice 1 **Assessment:** Jury Exam. Two contrasting operatic arias, in the original language. Panel- Unit members 50%, Teacher grade 50%. Two Performance Workshop performances. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op, Dip Op, UG Study Abroad Program.

The aim of this series of units is to develop the voice as an operatic instrument through work on style, phrasing, diction, enunciation, and interpretation. For further information, contact the Chair (Vocal Studies and Opera).

**VSAO1016****Opera Repertoire 1 Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr coaching/wk; plus ensemble workshops and rehearsals **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** Adv Dip Op, Dip Op, UG Study Abroad Program.

This series of units covers the study of operatic repertoire. Aspects of musical detail, phrasing and language and interpretation will be developed and expanded. Appropriate characterisation will also be introduced and encouraged. For more information contact the Chair of Unit.

## VSAO1017

### Vocal Performance Class 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Barry Ryan **Session:** Semester 1, Semester 2 **Classes:** 2hr tutorial/wk **Assessment:** 3 performances per semester; class attendance and discussion. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Classes in this series of units take the form of workshops to develop performance skills and awareness. Posture, breathing, presentation, body language and interpretative elements are given attention. For more information, contact the Chair of Unit.

## VSAO1018

### Vocal Performance Class 2

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Barry Ryan **Session:** Semester 1, Semester 2 **Classes:** 2hr tutorial/wk **Prerequisites:** VSAO1017 Vocal Performance Class 1 **Assessment:** 3 performances per semester; class attendance and discussion. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Classes in this series of units take the form of workshops to develop performance skills and awareness. Posture, breathing, presentation, body language and interpretative elements are given attention. For more information, contact the Chair of Unit.

## VSAO1044

### Opera French 2

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** N. Dorigo (Vocal Studies and Opera) **Session:** Semester 1 **Classes:** 2hr workshop/wk **Prerequisites:** VSAO1043 Opera French 1 **Assessment:** Continuing assessment (20%), written and oral examination (40%), recital (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** Dip Op, UG Study Abroad Program.

The aim of this series of units is to concentrate on the language specific to the needs of singers. Opera French 2 presents the basic principles of French lyric diction, with an introduction to using International Phonetic Alphabet (IPA) and its application to the performance of classical operatic repertoire and melody. Knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of current French vocal repertoire. For further information, contact Nicole Dorigo (Vocal Studies and Opera).

## VSAO1047

### Opera Ensemble 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 2hr workshop/wk **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op, Dip Op, UG Study Abroad Program.

The development of ensemble skills is an essential part of an opera student's study. The aim of this series of units is for the singer to learn how to follow a conductor, to listen to others, to learn roles quickly and to be able to sing in various styles. For more information, contact the Chair of Unit.

## VSAO1048

### Opera Ensemble 2

## Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 2hr workshop/wk **Prerequisites:** VSAO1047 Opera Ensemble 1 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op, Dip Op, UG Study Abroad Program.

The development of ensemble skills is an essential part of an opera student's study. The aim of this series of units is for the singer to learn how to follow a conductor, to listen to others, to learn roles quickly and to be able to sing in various styles. For more information, contact the Chair of Unit.

## VSAO1611

### Voice 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour individual lessons a semester plus performance workshop **Corequisites:** VSAO1008 Italian Diction for Singers 1 or VSAO1009 German Diction for Singers 1 **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, performance workshop and presentation. For more information contact the Chair of Unit.

## VSAO1612

### Voice 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour individual lessons a semester plus performance workshop. **Prerequisites:** VSAO1611 Voice 1 **Corequisites:** VSAO1008 Italian Diction for Singers 1 or VSAO1009 German Diction for Singers 1 **Assessment:** Jury exam of 15-20 minutes assessed by panel. Teacher grade 50%; panel grade 50% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, performance workshop and presentation. For more information contact the Chair of Unit.

## VSAO1621

### Opera Diction 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1, Semester 2 **Classes:** 6 hours/week **Assessment:** Students are required to pass all assessment tasks: Continuous assessment 20%; examination 50%; recital 30%. Students will perform a recitative and aria demonstrating the ability to understand the literary text with an emphasis on an accurate and fluent pronunciation of the specific language. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op.

The aim of this series of units of study is to concentrate on the language specific to the needs of singers in standard classical operatic repertoire. The rules of pronunciation and diction, including the IPA, and basic grammar such as syntax as aids to comprehension, translation, poetic appreciation and exploration of the word-music relationship will be covered. Throughout the course, knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of current vocal repertoire, both solo and ensemble. For more information contact Nicole Dorigo (Vocal Studies and Opera).

## VSAO1622

### Opera Diction 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1, Semester 2 **Classes:** 6 hours/week **Prerequisites:** VSAO1621 Opera Diction 1 **Assessment:** Students are required to pass all assessment tasks: Continuous

assessment 20%; examination 50%; recital 30%. Students will perform a recitative and aria demonstrating the ability to understand the literary text with an emphasis on an accurate and fluent pronunciation of the specific language. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op.

The aim of this series of units of study is to concentrate on the language specific to the needs of singers in standard classical operatic repertoire. The rules of pronunciation and diction, including the IPA, and basic grammar such as syntax as aids to comprehension, translation, poetic appreciation and exploration of the word-music relationship will be covered. Throughout the course, knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of current vocal repertoire, both solo and ensemble. For more information contact Nicole Dorigo (Vocal Studies and Opera).

### VSAO1631

#### Movement and Production 1

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 7 hours of classes per week (in production, acting, dance, movement & stagecraft) **Assessment:** Progressive assessment based on class/workshop activities and performance (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op.

This unit introduces students to the processes involved in bringing a scene to dramatic life, through practical workshops, seminars, demonstrations and visits to performances and rehearsals. As these subjects are production based units, students must understand that as performances/ special programmes approach, additional hours may be involved. For further information contact the Chair (Vocal Studies and Opera).

### VSAO1632

#### Movement and Production 2

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 7 hours of classes per week (in production, acting, dance, movement & stagecraft). **Prerequisites:** VSAO1631 Movement & Production 1 **Assessment:** Progressive assessment based on class/workshop activities and performance (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op.

This unit introduces students to the processes involved in bringing a scene to dramatic life, through practical workshops, seminars, demonstrations and visits to performances and rehearsals. As these subjects are production based units, students must understand that as performances / special programmes approach, additional hours may be involved. For further information contact the Chair (Vocal Studies and Opera).

### VSAO2008

#### Movement and Stagecraft 3

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** M. Ryan (Vocal Studies & Opera) **Session:** Semester 1, Semester 2 **Classes:** 2hrs/wk **Prerequisites:** VSAO1013 Movement and Stagecraft 2 **Corequisites:** VSAO2020 Voice 3 (Major), VSAO2011 Voice 3 (Minor) or VSAO2012 Opera Voice 3 **Assessment:** Progressive assessment based on class/workshop activities (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B Mus (Perf), B Mus Studies, Dip Mus, Dip Op, UG Study Abroad Program.

This series of units develops techniques of stage presence, gesture, characterisation and voice/body harmony. The basic principles of movement are studied: strength, flexibility and stamina are increased and a wide vocabulary of movement is developed. The body and mind are trained to memorise movement phrases and patterns. For more information, contact the Chair of Unit.

### VSAO2009

#### Movement and Stagecraft 4

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 2hrs/wk **Prerequisites:** VSAO2008 Movement and Stagecraft 3 **Corequisites:** VSAO2021 Voice 4 (Major), VSAO2016 Voice 4 (Minor) or VSAO2013 Opera Voice 4 **Assessment:** Progressive assessment based on class/workshop activities (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Mus Studies, Dip Mus, Dip Op, UG Study Abroad Program.

This series of units develops techniques of stage presence, gesture, characterisation and voice/body harmony. The basic principles of movement are studied: strength, flexibility and stamina are increased and a wide vocabulary of movement is developed. The body and mind are trained to memorise movement phrases and patterns. For more information, contact the Chair of Unit.

### VSAO2011

#### Voice 3 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** VSAO1003 Voice 2 (Minor) **Corequisites:** VSAO2028 Italian Diction for Singers 2 or VSAO2029 German Diction for Singers 2 **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### VSAO2012

#### Opera Voice 3

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and two concert practices/wk. **Prerequisites:** VSAO1015 Opera Voice 2 **Assessment:** Teacher grade 100%. Two Performance Workshop performances. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op, Dip Op, UG Study Abroad Program.

The aim of this series of units is to develop the voice as an operatic instrument through work on style, phrasing, diction, enunciation, and interpretation. For further information, contact the Chair (Vocal Studies and Opera).

### VSAO2013

#### Opera Voice 4

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and two concert practices/wk. **Prerequisites:** VSAO2012 Opera Voice 3 **Assessment:** Jury exam of three contrasting arias, in the original language. Panel - Unit members 80%, Teacher grade 20%. Two performance workshop performances. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op, Dip Op, UG Study Abroad Program.

The aim of this series of units is to develop the voice as an operatic instrument through work on style, phrasing, diction, enunciation, and interpretation. For further information, contact the Chair (Vocal Studies and Opera).

### VSAO2014

#### Opera Repertoire 2

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr coaching/wk, plus ensemble workshops and rehearsals **Prerequisites:** VSAO1016 Opera Repertoire 1 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%)

**Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op, Dip Op, UG Study Abroad Program.

This series of units covers the study of operatic repertoire. Aspects of musical detail, phrasing and language and interpretation will be developed and expanded. Appropriate characterisation will also be introduced and encouraged. For more information contact the Chair of Unit.

### VSAO2015 Opera Repertoire 3 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr coaching/wk, plus ensemble workshops and rehearsals **Prerequisites:** VSAO2014 Opera Repertoire 2 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op, Dip Op, UG Study Abroad Program.

This series of units covers the study of operatic repertoire. Aspects of musical detail, phrasing and language and interpretation will be developed and expanded. Appropriate characterisation will also be introduced and encouraged. For more information contact the Chair of Unit.

### VSAO2016 Voice 4 (Minor) Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** VSAO2011 Voice 3 (Minor) **Corequisites:** VSAO2028 Italian Diction for Singers 2 or VSAO2029 German Diction for Singers 2 **Assessment:** Jury exam: 15 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### VSAO2020 Voice 3 (Major) Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson/class instruction and performance workshop/wk plus attendance at master classes/studio classes when offered **Prerequisites:** VSAO1040 Voice 2 (Major) **Corequisites:** VSAO2028 Italian Diction for Singers 2 or VSAO2029 German Diction for Singers 2 **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### VSAO2021 Voice 4 (Major) Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson/class instruction and performance workshop/wk plus attendance at master classes/studio classes when offered **Prerequisites:** VSAO2020 Voice 3 (Major) **Corequisites:** VSAO2028 Italian Diction for Singers 2 or VSAO2029 German Diction for Singers 2 **Assessment:** Qualifying Exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. Dip Mus - Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### VSAO2028 Italian Diction for Singers 2 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1, Semester 2 **Classes:** 2hr class/wk **Prerequisites:** VSAO1009 German Diction for Singers 1 and VSAO1008 Italian Diction for Singers 1 **Assessment:** Continuous assessment (20%), oral and written examination (40%), recital (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The aim of this series of units is to concentrate on language specific to the needs of singers; with a focus on the pronunciation and diction, including the International Phonetic Alphabet (IPA). Throughout the course, knowledge and skills are cumulative, and material taught is determined by the specific needs of individual students and the requirements of classical vocal repertoire, both solo and ensemble. For further information contact Nicole Dorigo (Vocal Studies & Opera).

### VSAO2029 German Diction for Singers 2 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1, Semester 2 **Classes:** 2hr class/wk **Prerequisites:** VSAO1008 Italian Diction for Singers 1 and VSAO1009 German Diction for Singers 1 **Assessment:** Continuous assessment (20%), oral and written examination (40%), recital (40%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

The aim of this series of units is to concentrate on language specific to the needs of singers; with a focus on the pronunciation and diction, including the International Phonetic Alphabet (IPA). Throughout the course, knowledge and skills are cumulative, and material taught is determined by the specific needs of individual students and the requirements of classical vocal repertoire, both solo and ensemble. For further information contact Nicole Dorigo (Vocal Studies & Opera).

### VSAO2037 Vocal Performance Class 3 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Barry Ryan **Session:** Semester 1, Semester 2 **Classes:** One 2hr tutorial/wk **Prerequisites:** VSAO1018 Vocal Performance Class 2 **Assessment:** 3 performances per semester plus class attendance and discussion. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Classes in this series of units take the form of workshops to develop performance skills and awareness. Posture, breathing, presentation, body language and interpretative elements are given attention. For more information, contact the Chair of Unit.

### VSAO2038 Vocal Performance Class 4 Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Barry Ryan **Session:** Semester 1, Semester 2 **Classes:** One 2hr tutorial/wk **Prerequisites:** VSAO2037 Vocal Performance Class 3 **Assessment:** 3 performances per semester plus class attendance and discussion. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Classes in this series of units take the form of workshops to develop performance skills and awareness. Posture, breathing, presentation, body language and interpretative elements are given attention. For more information, contact the Chair of Unit.

#### VSAO2041

##### Opera Italian 3

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1 **Classes:** 2hr workshop/wk **Prerequisites:** VSAO1042 Opera Italian 2 or VSAO1011 Italian for Singers 2 **Assessment:** Continuing assessment (20%), written and oral examination (30%), recital (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Dip Op, UG Study Abroad Program.

The aim of this unit is to build on previous units and to concentrate on the Italian language specific to the needs of singers including the rules of pronunciation and Italian lyric dictation. The course develops an appreciation and exploration of the word-music relationship in order to allow students to sing in Italian with accuracy and expression. Throughout the course, knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of current vocal repertoire, both solo and ensemble. For further information, contact Nicole Dorigo (Vocal Studies and Opera).

#### VSAO2042

##### Opera Italian 4

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 2 **Classes:** 2hr workshop/wk **Prerequisites:** VSAO2041 Opera Italian 3 or VSAO2006 Italian for Singers 3 **Assessment:** Continuing assessment (20%) written and oral examination (30%), recital (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Dip Op, UG Study Abroad Program.

The aim of this unit is to build on previous units and to concentrate on the Italian language specific to the needs of singers including the rules of pronunciation and Italian lyric dictation. The course develops an appreciation and exploration of the word-music relationship in order to allow students to sing in Italian with accuracy and expression. Throughout the course, knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of current vocal repertoire, both solo and ensemble. For further information, contact Nicole Dorigo (Vocal Studies and Opera).

#### VSAO2043

##### Opera French 3

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1 **Classes:** 2hr workshop/wk **Prerequisites:** VSAO1044 Opera French 2 or VSAO3003 French for Singers 2 **Assessment:** Continuing assessment (20%), written and oral examination (30%), recital (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Dip Op, UG Study Abroad Program.

The aim of this unit is to build on previous units and to concentrate on the French language specific to the needs of singers including the rules of pronunciation and French lyric dictation. The course develops an appreciation and exploration of the word-music relationship in order to allow students to sing in French with accuracy and expression. Throughout the course, knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of current vocal repertoire, both solo and ensemble. For further information, contact Nicole Dorigo (Vocal Studies and Opera).

#### VSAO2044

##### Opera French 4

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 2 **Classes:** 2hr workshop/wk **Prerequisites:** VSAO2043 Opera French 3 **Assessment:** Continuing assessment (20%), written and oral examination (30%), recital (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Dip Op, UG Study Abroad Program.

The aim of this unit is to build on previous units and to concentrate on the French language specific to the needs of singers including the rules of pronunciation and French lyric dictation. The course develops an appreciation and exploration of the word-music relationship in order to allow students to sing in French with accuracy and expression. Throughout the course, knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of current vocal repertoire, both solo and ensemble. For further information, contact Nicole Dorigo (Vocal Studies and Opera).

#### VSAO2045

##### Opera German 3

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1 **Classes:** 2hr workshop/wk **Prerequisites:** VSAO1046 Opera German 2 or VSAO2005 German for Singers 2 **Assessment:** Continuing assessment (20%), written and oral examination (30%), recital (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Dip Op, UG Study Abroad Program.

The aim of this unit is to build on previous units and to concentrate on the German language specific to the needs of singers including the rules of pronunciation and German lyric dictation. The course develops an appreciation and exploration of the word-music relationship in order to allow students to sing in German with accuracy and expression. Throughout the course, knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of current vocal repertoire, both solo and ensemble. For further information, contact Nicole Dorigo (Vocal Studies and Opera).

#### VSAO2046

##### Opera German 4

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 2 **Classes:** 2hr workshop/wk **Prerequisites:** VSAO2045 Opera German 3 or VSAO3009 German for Singers 3 **Assessment:** Continuing assessment (20%) written and oral examination (30%), recital (50%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Dip Op, UG Study Abroad Program.

The aim of this unit is to build on previous units and to concentrate on the German language specific to the needs of singers including the rules of pronunciation and German lyric dictation. The course develops an appreciation and exploration of the word-music relationship in order to allow students to sing in German with accuracy and expression. Throughout the course, knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of current vocal repertoire, both solo and ensemble. For further information, contact Nicole Dorigo (Vocal Studies and Opera).

#### VSAO2047

##### Opera Ensemble 3

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 2hr workshop/wk **Prerequisites:** VSAO1048 Opera Ensemble 2 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op, Dip Op, UG Study Abroad Program.

The development of ensemble skills is an essential part of an opera student's study. The aim of this series of units is for the singer to learn how to follow a conductor, to listen to others, to learn roles quickly

and to be able to sing in various styles. For more information, contact the Chair of Unit.

### VSAO2048

#### Opera Ensemble 4

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 2hr workshop/wk **Prerequisites:** VSAO2047 Opera Ensemble 3 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op, Dip Op, UG Study Abroad Program.

The development of ensemble skills is an essential part of an opera student's study. The aim of this series of units is for the singer to learn how to follow a conductor, to listen to others, to learn roles quickly and to be able to sing in various styles. For more information, contact the Chair of Unit.

### VSAO2057

#### Jazz Vocal (Minor) 3

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson 1 hr tutorial (rhythm section workshop) and performance workshop/wk **Prerequisites:** VSAO1058 **Corequisites:** JAZZ2026 Jazz Small Ensemble 3 **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Jazz Vocal Performance is offered at the minor level under the BMusStudies award program. Jazz vocal performance technique and style plus jazz harmony, jazz history, ear training, and music literacy will be emphasised.

### VSAO2058

#### Jazz Vocal (Minor) 4

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson 1 hr tutorial (rhythm section workshop) and performance workshop/wk **Prerequisites:** VSAO2057 **Corequisites:** JAZZ2027 Jazz Small Ensemble 4 **Assessment:** Jury exam: 15 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Jazz Vocal Performance is offered at the minor level under the BMusStudies award program. Jazz vocal performance technique and style plus jazz harmony, jazz history, ear training, and music literacy will be emphasised.

### VSAO2613

#### Voice 3

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour individual lessons and/or up to six small group/masterclasses and performance workshops **Prerequisites:** VSAO1612 Voice 2 **Corequisites:** VSAO2028 Italian Diction for Singers 2 or VSAO2029 German Diction for Singers 2; AND for Dip Mus only: VSAO2713 Voice 3 (Adv) **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, performance workshop and presentation. For more information contact the Chair of Unit.

### VSAO2614

#### Voice 4

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 6-14 one-hour individual lessons and/or up to six small group/masterclasses and performance workshops. **Prerequisites:** VSAO2613 Voice 3 **Corequisites:** VSAO2028 Italian Diction for Singers 2 OR VSAO2029

German Diction for Singers 2; AND for Dip Mus only: VSAO2714 Voice 4 (Adv) **Assessment:** Jury qualifying exam of 20-25 minutes assessed by a panel. Teacher grade 20%, panel grade 80%. Dip.Mus: Recital at Junior level assessed by panel. 40 mins. duration Panel grade 80%, teacher grade 20%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, performance workshop and presentation. For more information contact the Chair of Unit.

### VSAO2623

#### Opera Diction 3

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1, Semester 2 **Classes:** 6 hours/week **Prerequisites:** VSAO1622 Opera Diction 2 **Assessment:** Students are required to pass all assessment tasks: Continuous assessment 20%; examination 40%; recital 40%. At the end of the semester, students will perform a recitative and aria or ensemble. The objective is to demonstrate their ability to assimilate all knowledge accumulated throughout the course, and to understand the literary text with an emphasis on pronunciation and interpretation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op.

The aim of this series of units of study is to concentrate on language specific to the needs of singers in standard classical operatic repertoire. The rules of pronunciation and diction, including the IPA, and basic grammar such as syntax as aids to comprehension, translation, poetic appreciation and exploration of the word-music relationship will be covered. Throughout the course, knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of current vocal repertoire, both solo and ensemble. For further information contact Nicole Dorigo, (Vocal Studies and Opera).

### VSAO2624

#### Opera Diction 4

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1, Semester 2 **Classes:** 6 hours/week **Prerequisites:** VSAO2623 Opera Diction 3 **Assessment:** Students are required to pass all assessment tasks: Continuous assessment 20%; examination 40%; recital 40%. At the end of the semester, students will perform a recitative and aria or ensemble. The objective is to demonstrate their ability to assimilate all knowledge accumulated throughout the course, and to understand the literary text with an emphasis on pronunciation and interpretation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op.

The aim of this series of units of study is to concentrate on the language specific to the needs of singers in standard classical operatic repertoire. The rules of pronunciation and diction, including the IPA, and basic grammar as syntax as aids to comprehension, translation, poetic appreciation and exploration of the word-music relationship will be covered. Throughout the course, knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of current vocal repertoire, both solo and ensemble. For further information contact Nicole Dorigo, (Vocal Studies and Opera).

### VSAO2633

#### Movement and Production 3

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 7 hours of classes per week (in production, acting, dance, movement & stagecraft) **Prerequisites:** VSAO1632 Movement & Production 2 **Assessment:** Progressive assessment based on class/workshop activities and performance (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op.

This unit introduces students to the processes involved in bringing a scene to dramatic life, through practical workshops, seminars, demonstrations and visits to performances and rehearsals. As these subjects are production based units, students must understand that



as performances/ special programmes approach, additional hours may be involved. For further information contact the Chair (Vocal Studies and Opera).

#### **VSAO2634**

##### **Movement and Production 4**

##### **Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 7 hours of classes per week (in production, acting, dance, movement & stagecraft). **Prerequisites:** VSAO2633 Movement & Production 3 **Assessment:** Progressive assessment based on class/workshop activities and performance (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op.

This unit introduces students to the processes involved in bringing a scene to dramatic life through practical workshops, seminars, demonstration and visits to performances and rehearsals. As these subjects are performance-based units, students must understand that as performance/special programmes approach, additional hours may be involved. For additional information contact the Chair (Vocal Studies and Opera).

#### **VSAO2713**

##### **Voice 3 (Advanced)**

##### **Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** One-hour unit-specific performance class/week and/or unit-based concerts. **Prerequisites:** VSAO1612 Voice 2 **Corequisites:** VSAO2613 Voice 3 **Assessment:** Practice journal, performance journal including proposal for presentations, performances and/or other participation in unit; 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and confidence in performance. Through maintaining practice journals of their own work and that of their peers, students gain insight into performance practice.

#### **VSAO2714**

##### **Voice 4 (Advanced)**

##### **Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** One-hour specific performance class/week and/or unit-based concerts **Prerequisites:** VSAO2713 Voice 3 (Adv) **Corequisites:** VSAO2614 Voice 4 **Assessment:** Practice journal, performance journal; presentations, performance participation in unit classes as required; 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to Dip.Mus students.*

**Associated degrees:** Dip Mus.

Advanced Units of Study develop skills in analytical thinking and confidence in performance. Through maintaining practice journals of their own work and that of their peers, students gain insight into their own performance

#### **VSAO3001**

##### **Production 3**

##### **Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 36hrs/sem maximum **Prerequisites:** VSAO2010 Production 2 **Assessment:** Progressive assessment based on class/workshop activities, and in operatic productions (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** Dip Op, UG Study Abroad Program.

Classes consist of acting and dance classes, workshops, rehearsals and masterclasses. As this is a production based unit, students must understand that as performances/special programs approach additional hours may be involved. The experience students have gained enables them to continue their development and consolidate their

competencies. Students are also introduced to rehearsal methods, rehearsal structure and opera production history. For further information contact the Chair (Vocal Studies & Opera).

#### **VSAO3006**

##### **Movement and Stagecraft 5**

##### **Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 2hrs/wk **Prerequisites:** VSAO2009 Movement and Stagecraft 4 **Corequisites:** VSAO3018 Voice 5 (Major), VSAO3017 Voice 5 (Minor) or VSAO3010 Opera Voice 5 **Assessment:** Progressive assessment based on class/workshop activities (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B Mus Studies, Dip Op, UG Study Abroad Program.

This series of units develops techniques of stage presence, gesture, characterisation and voice/body harmony. The basic principles of movement are studied: strength, flexibility and stamina are increased and a wide vocabulary of movement is developed. The body and mind are trained to memorise movement phrases and patterns. For more information, contact the Chair of Unit.

#### **VSAO3007**

##### **Movement and Stagecraft 6**

##### **Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 2hrs/wk **Prerequisites:** VSAO3006 Movement and Stagecraft 5 **Corequisites:** VSAO3019 Voice 6 (Major), VSAO3020 Voice 6 (Minor) or VSAO3011 Opera Voice 6 **Assessment:** Progressive assessment based on class/workshop activities (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** B Mus Studies, Dip Op, UG Study Abroad Program.

This series of units develops techniques of stage presence, gesture, characterisation and voice/body harmony. The basic principles of movement are studied: strength, flexibility and stamina are increased and a wide vocabulary of movement is developed. The body and mind are trained to memorise movement phrases and patterns. For more information, contact the Chair of Unit.

#### **VSAO3008**

##### **Production 4**

##### **Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 36hrs/semester maximum **Prerequisites:** VSAO3001 Production 3 **Assessment:** Progressive assessment based on class/workshop activities (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** Dip Op, UG Study Abroad Program.

Classes consist of acting and dance classes, workshops, rehearsals, and masterclasses. As this is a production based unit, students must understand that as performances/special programs approach additional hours may be involved. Students continue to work in character and role building, acting and performance styles with more challenging and complex tasks. For further information contact the Chair (Opera Studies).

#### **VSAO3010**

##### **Opera Voice 5**

##### **Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and two concert practices/wk. **Prerequisites:** VSAO2013 Opera Voice 4 **Assessment:** Teacher grade 100%. Two Performance Workshop performances. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** Adv Dip Op, Dip Op, UG Study Abroad Program.

The aim of this series of units is to develop the voice as an operatic instrument through work on style, phrasing, diction, enunciation, and interpretation. For further information, contact the Chair (Vocal Studies and Opera).

### VSAO3011

#### Opera Voice 6

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson and two concert practices/wk. **Prerequisites:** VSAO3010 Opera Voice 5 **Assessment:** 20-25 minute recital with substantial operatic content. Two performance Workshop performances. Panel-Unit members 80%, Teacher grade 20%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op, Dip Op, UG Study Abroad Program.

The aim of this series of units is to develop the voice as an operatic instrument through work on style, phrasing, diction, enunciation, and interpretation. For further information, contact the Chair (Vocal Studies and Opera).

### VSAO3012

#### Opera Repertoire 4

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Sharon Kimmorley **Session:** Semester 1, Semester 2 **Classes:** 1hr coaching/wk, plus ensemble workshops and rehearsals **Prerequisites:** VSAO2015 Opera Repertoire 3 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op, Dip Op, UG Study Abroad Program.

This series of units covers the study of operatic repertoire. Aspects of musical detail, phrasing and language and interpretation will be developed and expanded. Appropriate characterisation will also be introduced and encouraged. For more information contact the Chair of Unit.

### VSAO3014

#### Pedagogy Voice 1

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Rowena Cowley **Session:** Semester 1 **Classes:** 1 hr/wk **Assessment:** Oral work (40%), written work (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This course aims to promote awareness of the main elements of the pedagogy of voice. It provides a basis for learning about the physiology and acoustics of the singing voice, approaches to posture, breathing, and phonation (onset, range and tessitura, dynamic controls, vibrato, register/voice quality and articulation). Learning strategies, stages of vocal development, bases for vocal health and the process of performance preparation are discussed. Assessment includes micro-teaching modules, readings, round table discussions, comparative reports and written tests.

### VSAO3015

#### Pedagogy Voice 2

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Rowena Cowley **Session:** Semester 2 **Classes:** 2hrs/wk **Prerequisites:** VSAO3014 Pedagogy Voice 1 **Assessment:** Oral work (40%), written work (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This course aims to promote awareness of the main elements of the pedagogy of voice and the variety of approaches to each of the major arias of learning about singing. It encourages students to explore approaches to singing based on awareness of the processes of learning and the physiology and acoustics of the singing voice. In the

second semester, the course covers voice quality, resonance, articulation, vocal health and development, repertoire sources and bases for choice, performance practice with reference to voice use, and performance preparation. Assessment includes micro-teaching modules, readings, round table discussions, comparative reports and written tests.

### VSAO3017

#### Voice 5 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** VSAO2016 Voice 4 (Minor) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students are strongly recommended to enrol concurrently in VSAO3645 Diction for Performance 1.*

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### VSAO3018

#### Voice 5 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson/class instruction and performance workshop/wk plus attendance at master classes/studio classes when offered **Prerequisites:** VSAO2021 Voice 4 (Major) **Corequisites:** VSAO3645 Diction for Performance 1 **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### VSAO3019

#### Voice 6 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson/class instruction and performance workshop/wk plus attendance at master classes/studio classes when offered **Prerequisites:** VSAO3018 Voice 5 (Major) **Corequisites:** VSAO3646 Diction for Performance 2 **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### VSAO3020

#### Voice 6 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** VSAO3017 Voice 5 (Minor) **Assessment:** Jury exam: 20 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students are strongly recommended to enrol concurrently in VSAO3645 Diction for Performance 2.*

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### VSAO3023

#### Production 5

## Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 36hrs/semester maximum **Prerequisites:** VSAO3008 Production 4 **Assessment:** Progressive assessment based on class/workshop activities, and in operatic productions (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 2.*

**Associated degrees:** Dip Op, UG Study Abroad Program.

Classes consist of acting and dance classes, workshops, rehearsals, and masterclasses. As this is a production based unit, students must understand that as performances/special programs approach additional hours may be involved. Students continue to work in character and role building, acting and performance styles with more challenging and complex tasks. For further information contact the Chair (Vocal Studies & Opera).

## VSAO3024

### Production 6

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 36 hrs/semester maximum **Prerequisites:** VSAO3023 Production 5 **Assessment:** Progressive assessment based on class/workshop activities, and in operatic productions (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment in the following sessions: Semester 1.*

**Associated degrees:** Dip Op, UG Study Abroad Program.

Classes consist of acting and dance classes, workshops, rehearsals, and masterclasses. As this is a production based unit, students must understand that as performances/special programs approach additional hours may be involved. Students continue to work in character and role building, acting and performance styles with more challenging and complex tasks. For further information contact the Chair (Vocal Studies & Opera).

## VSAO3037

### Vocal Performance Class 5

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Barry Ryan **Session:** Semester 1, Semester 2 **Classes:** One 2hr tutorial/wk **Prerequisites:** VSAO2038 Vocal Performance Class 4 **Assessment:** 3 performances per semester plus class attendance and discussion. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Classes in this series of units take the form of workshops to develop performance skills and awareness. Posture, breathing, presentation, body language and interpretative elements are given attention. For more information, contact the Chair of Unit.

## VSAO3038

### Vocal Performance Class 6

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Barry Ryan **Session:** Semester 1, Semester 2 **Classes:** One 2hr tutorial/wk **Prerequisites:** VSAO3037 Vocal Performance Class 5 **Assessment:** 3 performances per semester plus class attendance and discussion. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Classes in this series of units take the form of workshops to develop performance skills and awareness. Posture, breathing, presentation, body language and interpretative elements are given attention. For more information, contact the Chair of Unit.

## VSAO3041

### Opera Italian 5

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1 **Classes:** 2 hr workshop/wk **Prerequisites:** VSAO2042 Opera Italian 4 or VSAO2007 Italian for Singers 4 **Assessment:** Continuing assessment (10%), written and oral examination (30%), recital (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Dip Op, UG Study Abroad Program.

Bringing together units previously undertaken in Opera Italian 1 - 4, this course concentrates on the language specific to the needs of singers and includes the art of recitative. Students continue their focus on Italian lyric grammar, as aids to comprehension, translation, poetic appreciation and exploration of the word-music relationship. As with previous units, knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of current vocal repertoire. Individual and small group Italian language coachings remain a feature of this unit. For further information, contact Nicole Dorigo (Vocal Studies and Opera).

## VSAO3042

### Opera Italian 6

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 2 **Classes:** 2hr workshop/wk **Prerequisites:** VSAO3041 Opera Italian 5 or VSAO3004 Italian for Singers 5 **Assessment:** Continuing assessment (10%), written and oral examination (30%), recital (60%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Dip Op, UG Study Abroad Program.

Bringing together units previously undertaken in Opera Italian 1 - 4, this course concentrates on the language specific to the needs of singers and includes the art of recitative. Students continue their focus on Italian lyric grammar, as aids to comprehension, translation, poetic appreciation and exploration of the word-music relationship. As with previous units, knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of current vocal repertoire. Individual and small group Italian language coaching remains a feature of this unit. For further information, contact Nicole Dorigo (Vocal Studies and Opera).

## VSAO3047

### Opera Ensemble 5

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 2hr workshop/wk **Prerequisites:** VSAO2048 Opera Ensemble 4 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op, Dip Op, UG Study Abroad Program.

The development of ensemble skills is an essential part of an opera student's study. The aim of this series of units is for the singer to learn how to follow a conductor, to listen to others, to learn roles quickly and to be able to sing in various styles. For more information, contact the Chair of Unit.

## VSAO3048

### Opera Ensemble 6

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 2hr workshop/wk **Prerequisites:** VSAO3047 Opera Ensemble 5 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op, Dip Op, UG Study Abroad Program.

The development of ensemble skills is an essential part of an opera student's study. The aim of this series of units is for the singer to learn how to follow a conductor, to listen to others, to learn roles quickly and to be able to sing in various styles. For more information, contact the Chair of Unit.

## VSAO3057

### Jazz Vocal (Minor) 5

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson 1 hr tutorial (rhythm section workshop) and performance workshop/wk **Prerequisites:** VSAO2058 Jazz Vocal (Minor) 4 **Corequisites:** JAZZ3012 Jazz Small Ensemble 5 **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Jazz Vocal Performance is offered at the minor level under the BMusStudies award program. Jazz vocal performance technique and style plus jazz harmony, jazz history, ear training, and music literacy will be emphasised.

## VSAO3058

### Jazz Vocal (Minor) 6

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Craig Scott **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson 1 hr tutorial (rhythm section workshop) and performance workshop/wk **Prerequisites:** VSAO3057 **Corequisites:** JAZZ3013 Jazz Small Ensemble 6 **Assessment:** Jury exam: 20 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Jazz Vocal Performance is offered at the minor level under the BMusStudies award program. Jazz vocal performance technique and style plus jazz harmony, jazz history, ear training, and music literacy will be emphasised.

## VSAO3313

### Opera Repertoire 5

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1 hour coaching per week **Prerequisites:** VSAO3012 Opera Repertoire 4 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during coaching, rehearsals and performance. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op.

This series of units covers the study of operatic repertoire. Aspects of musical detail, phrasing, language and interpretation will be developed and expanded. Appropriate characterization will also be introduced and encouraged. For further information contact the Chair (Vocal Studies and Opera).

## VSAO3314

### Opera Repertoire 6

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1 hour coaching per week **Prerequisites:** VSAO3313 Opera Repertoire 5 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during coaching, rehearsals and performance. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op.

This series of units covers the study of operatic repertoire. Aspects of musical detail phrasing, language and interpretation will be developed and expanded. Appropriate characterization will also be introduced and encouraged. For more information contact the Chair of Unit (Vocal Studies & Opera).

## VSAO3615

### Voice 5

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 6-14 one-hour individual lessons and /or 4-6 masterclasses or small ensemble classes (or equivalent)/semester plus performance workshop. **Prerequisites:** VSAO2614 Voice 4 **Corequisites:** BMus (Perf) only: BOTH VSAO3645 Diction for Performance 1 AND VSAO3715 Voice 5 (Adv)

**Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: BMusStudies and BMus(MusEd) students are strongly recommended to enrol concurrently in VSAO3645 Diction for Performance 1.*

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, performance workshop and presentation. For more information contact the Chair of Unit (Vocal Studies & Opera).

## VSAO3616

### Voice 6

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour individual lessons and /or 4-6 masterclasses or small ensemble classes (or equivalent) / semester plus performance workshop. **Prerequisites:** VSAO3615 Voice 5 **Corequisites:** BMus (Perf) only: BOTH VSAO3646 Diction for Performance 2 AND VSAO3716 Voice 6 (Adv) **Assessment:** Public recital at junior level assessed by panel - 40 minutes B.Mus.Performance; jury exam assessed by panel - 20 minutes (B.Mus Stud, B. Mus (Mus Ed) only) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: BMusStudies and BMus(MusEd) students are strongly recommended to enrol concurrently in VSAO3646 Diction for Performance 2.*

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, performance workshop and presentation. For more information contact the Chair of Unit (Vocal Studies & Opera).

## VSAO3625

### Opera Diction 5

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1, Semester 2 **Classes:** 6 hours/week **Prerequisites:** VSAO2624 Opera Diction 4 **Assessment:** Students are required to pass all assessment tasks. Seminar participation (20%), seminar presentation (20%), recital (60%): Students will perform a recitative and aria/ensemble. They will demonstrate their ability to assimilate all knowledge accumulated through the course, to understand the literary text with emphasis on pronunciation and interpretation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op.

The aim of this series of units of study is to concentrate on the language specific to the needs of singers in standard classical operatic repertoire. The rules of pronunciation and diction, including the IPA, and basic grammar as syntax as aids to comprehension, translation, poetic appreciation and exploration of the word-music relationship will be covered. Throughout the course, knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of current vocal repertoire both solo and ensemble. For further information, contact Nicole Dorigo (Vocal Studies and Opera).

## VSAO3626

### Opera Diction 6

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1, Semester 2 **Classes:** 6 hours/week **Prerequisites:** VSAO3625 Opera Diction 5 **Assessment:** Students are required to pass all assessment tasks. Seminar participation (20%), seminar presentation (20%), recital (60%): Students will perform a recitative and aria/ensemble. They will demonstrate their ability to assimilate all knowledge accumulated through the course, to understand the literary text with emphasis on pronunciation and interpretation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op.

The aim of this series of units of study is to concentrate on language specific to the needs of singers in standard classical operatic repertoire. The rules of pronunciation and diction, including the IPA, and basic grammar as syntax as aids to comprehension, translation, poetic appreciation and exploration of the word-music relationship will be covered. Throughout the course, knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of current vocal repertoire

both solo and ensemble. For further information, contact Nicole Dorigo (Vocal Studies and Opera).

### VSAO3635

#### Movement and Production 5

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 7 hours of classes per week (in production, acting, dance, movement & stagecraft). **Prerequisites:** VSAO2634 Movement & Production 4 **Assessment:** Progressive assessment based on class/workshop activities and performance (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op.

This unit introduces students to the processes involved in bringing a scene to dramatic life through practical workshops, seminars, demonstration and visits to performances and rehearsals. As these subjects are performance-based units, students must understand that as performance/special programmes approach, additional hours may be involved. For additional information contact the Chair (Vocal Studies and Opera).

### VSAO3636

#### Movement and Production 6

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 7 hours of classes per week (in production, acting, dance, movement & stagecraft). **Prerequisites:** VSAO3635 Movement & Production 5 **Assessment:** Progressive assessment based on class/workshop activities and performance (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** Adv Dip Op.

This unit introduces students to the processes involved in bringing a scene to dramatic life through practical workshops, seminars, demonstration and visits to performances and rehearsals. As these subjects are performance based units, students must understand that as performance/special programmes approach, additional hours may be involved. For additional information contact the Chair (Vocal Studies and Opera).

### VSAO3645

#### Diction for Performance 1

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1, Semester 2 **Classes:** 2 hours/week **Prerequisites:** VSAO2028 Italian Diction for Singers 2 and VSAO2029 German Diction for Singers 2 **Assessment:** Students are required to pass all assessment tasks. Continuous assessment (20%), examination (30%), recital (50%). At the end of semester, students will perform to demonstrate their ability to assimilate all knowledge accumulated through the course, to understand the literary text with emphasis on pronunciation and interpretation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S.

The aim of this series of units is to concentrate on the specialist language needs of singers, including the IPA, and with the objective of students achieving a professional command of diction in French, German and Italian. The focus in these units is producing performance in song repertoire that results from the appreciation of the text-music relationship. Throughout the course, knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of classical vocal repertoire, both solo and ensemble. For further information, contact Nicole Dorigo (Vocal Studies and Opera).

### VSAO3646

#### Diction for Performance 2

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1, Semester 2 **Classes:** 2 hours/week **Prerequisites:** VSAO3645 Diction for Performance 1 **Assessment:** Students are required to pass all assessment tasks. Continuous assessment (20%), examination (30%), recital (50%). At the end of semester, students will perform. The objective is to demonstrate their ability to assimilate all knowledge accumulated throughout the semester, and

to understand the literary text with an emphasis on pronunciation and interpretation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S.

The aim of this series of units is to concentrate on the specialist language needs of singers, including the IPA, and with the objective of students achieving a professional command of diction in French, German and Italian. The focus in these units is producing performance in song repertoire that results from the appreciation of the text-music relationship. Throughout the course, knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of classical vocal repertoire, both solo and ensemble. For further information, contact Nicole Dorigo (Vocal Studies and Opera).

### VSAO3715

#### Voice 5 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** One-hour unit-specific performance class/week and /or unit based concerts **Prerequisites:** VSAO2714 Voice 4 (Adv) **Corequisites:** VSAO3615 Voice 5 **Assessment:** Practice journal, performance journal including proposal for presentations, performances and/or other participation in unit.100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is only open to BMus (Perf) students.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and confidence in performance. Through maintaining practice journals of their own work and that of their peers, students gain insight into performance practice.

### VSAO3716

#### Voice 6 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** One hour unit-specific performance class/week and/or unit-based concerts. **Prerequisites:** VSAO3715 Voice 5 (Adv) **Corequisites:** VSAO3616 Voice 6 **Assessment:** Practice journal, performance journal; presentations, performance participation in unit classes as required;100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is only open to B.Mus (Perf) students.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and confidence in performance. Through maintaining practice journals of their own work and that of their peers, students will gain added insight into performance practice.

### VSAO4000

#### Voice 7 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** VSAO3020 Voice 6 (Minor) at Distinction level **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### VSAO4001

#### Voice 8 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** VSAO4000 Voice 7 (Minor) at Credit level **Assessment:** Jury exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### VSAO4002

##### Voice 7 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson/class instruction and performance workshop/wk plus attendance at master classes/studio classes when offered **Prerequisites:** VSAO3019 Voice 6 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### VSAO4004

##### Voice 8 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson/class instruction and performance workshop/wk plus attendance at master classes/studio classes when offered **Prerequisites:** VSAO4002 Voice 7 (Major) **Assessment:** Recital at Senior level assessed by Panel: 50mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### VSAO4037

##### Vocal Performance Class 7

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Barry Ryan **Session:** Semester 1, Semester 2 **Classes:** One 2 hr tutorial/wk **Prerequisites:** VSAO3038 Vocal Performance Class 6 **Assessment:** 3 performances per semester plus class attendance and discussion. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Classes in this series of units take the form of workshops to develop performance skills and awareness. Posture, breathing, presentation, body language and interpretative elements are given attention. For more information, contact the Chair of Unit.

#### VSAO4038

##### Vocal Performance Class 8

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Barry Ryan **Session:** Semester 1, Semester 2 **Classes:** One 2hr tutorial/wk **Prerequisites:** VSAO4037 Vocal Performance Class 7 **Assessment:** 3 performances per semester plus class attendance and discussion. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus.

Classes in this series of units take the form of workshops to develop performance skills and awareness. Posture, breathing, presentation, body language and interpretative elements are given attention. For more information, contact the Chair of Unit.

#### VSAO4617

##### Voice 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour individual lessons / semester plus performance workshop **Prerequisites:** VSAO3616 Voice 6 **Corequisites:** VSAO4717 Voice 7 (Adv) **Assessment:** Teacher grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Students are strongly recommended to enrol concurrently in VSAO4647 Diction for Performance 3.*

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, performance workshop and presentation. For more information, contact the Chair of Unit.

#### VSAO4618

##### Voice 8

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour individual lessons and performance workshop **Prerequisites:** VSAO4617 Voice 7 **Corequisites:** VSAO4718 Voice 8 (Adv) **Assessment:** Public recital at senior level assessed by panel. Teacher grade 20%, panel grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Students are strongly recommended to enrol concurrently in VSAO4648 Diction for Performance 4.*

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, performance workshop and presentation. For more information, contact the Chair of Unit.

#### VSAO4647

##### Diction for Performance 3

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1, Semester 2 **Classes:** 2 hours/week **Prerequisites:** VSAO3646 Diction for Performance 2 **Assessment:** Students are required to pass all assessment tasks. Continuous assessment (20%), examination (20%), recital (60%). At the end of the semester, students will perform. The objective is to demonstrate their ability to assimilate all knowledge accumulated throughout the course, and to understand the literary text with an emphasis on pronunciation and interpretation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

The aim of this series of units is to concentrate on the specialist language needs of singers, including the IPA, and with the objective of students achieving a professional command of diction in French, German and Italian. The focus in these units is producing performance in song repertoire that results from the appreciation of the text-music relationship. Throughout the course, knowledge and skills are cumulative, and material taught is determined by the needs of individual students and the requirements of classical vocal repertoire, both solo and ensemble. For further information, contact Nicole Dorigo (Vocal Studies and Opera).

#### VSAO4648

##### Diction for Performance 4

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Nicole Dorigo **Session:** Semester 1, Semester 2 **Classes:** 2 hours/week **Prerequisites:** VSAO4647 Diction for Performance 3 **Assessment:** Students are required to pass all assessment tasks. Continuous assessment (20%), examination (20%), recital (60%). At the end of semester, students will perform. The objective is to demonstrate their ability to assimilate all knowledge accumulated throughout the course, and to understand the literary text with an emphasis on pronunciation and interpretation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

The aim of this series of units is to concentrate on the specialist language needs of singers, including the IPA, and with the objective of students achieving a professional command of diction in French, German and Italian. The focus in these units is producing performance in song repertoire that results from the appreciation of the text-music relationship. Throughout the course, knowledge and skills are cumulative, and material taught is determined by the needs of

individual students and the requirements of classical vocal repertoire, both solo and ensemble. For further information, contact Nicole Dorigo (Vocal Studies and Opera).

#### **VSAO4717**

##### **Voice 7 (Advanced)**

##### **Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** One-hour specific performance class/week and/or unit-based concerts. **Prerequisites:** VSAO3716 Voice 6 (Adv) **Corequisites:** VSAO4617 Voice 7 **Assessment:** Practice journal, performance journal including proposal for presentations, performance and/or other participation in unit based activities 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus (Perf) students.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and confidence in performance. Through the maintenance of practice journals of their own work and that of their peers, students gain insight into performance practice.

#### **VSAO4718**

##### **Voice 8 (Advanced)**

##### **Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Maree Ryan **Session:** Semester 1, Semester 2 **Classes:** One-hour unit-specific performance class/week and/or unit-based concerts **Prerequisites:** VSAO4717 Voice 7 (Adv) **Corequisites:** VSAO4618 Voice 8 **Assessment:** Practice journal, performance journal; presentations, performance participation in unit classes as required; 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus (Perf) students.*

**Associated degrees:** B Mus (Perf).

Advanced Units of Study develop skills in analytical thinking and confidence in presentation and performance. Through maintaining practice journals of their own work and that of their peers, students gain insight into performance practice.





# University undergraduate units of study – W

## WIND1016

### Saxophone Orchestra 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 2hr rehearsal/wk **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Musicology), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This Unit will help to develop ensemble skills that are essential for saxophonists playing in any conducted ensemble. The aim of this series of units is that the saxophonist will learn how to follow a conductor, listen to others, learn how to blend with other saxophonists and be able to play in a variety of styles. For information, contact the Chair of Woodwind.

## WIND1017

### Saxophone Orchestra 2

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 2hr rehearsal/wk **Prerequisites:** WIND1016 Saxophone Orchestra 1 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This Unit will help to develop ensemble skills that are essential for saxophonists playing in any conducted ensemble. The aim of this series of units is that the saxophonist will learn how to follow a conductor, listen to others, learn how to blend with other saxophonists and be able to play in a variety of styles. For more information, contact the Chair of Woodwind.

## WIND1611

### Bassoon 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND1612

### Bassoon 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** WIND1611 Bassoon 1 **Assessment:** Jury exam assessed by Panel of 10-15 minutes (instrument specific) Teacher Grade 50%. Panel Grade 50%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND1621

### Clarinet 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND1622

### Clarinet 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** WIND1621 Clarinet 1 **Assessment:** Jury exam assessed by Panel of 10-15 minutes (instrument specific) Teacher Grade 50%. Panel Grade 50%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND1631

### Flute 1

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshop/wk **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND1632

### Flute 2

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/wk **Prerequisites:** WIND1631 Flute 1 **Assessment:** Jury exam assessed by Panel of 10-15 minutes (instrument specific) Teacher Grade 50%. Panel Grade 50%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND1641

### Oboe 1



## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshop/wk **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND1642

#### Oboe 2

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/wk **Prerequisites:** WIND1641 Oboe 1 **Assessment:** Jury exam assessed by Panel of 10-15 minutes (instrument specific) Teacher Grade 50%. Panel Grade 50%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND1661

#### Saxophone 1

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one-hour lessons/semester and performance workshops/week **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND1662

#### Saxophone 2

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** WIND1661 Saxophone 1 **Assessment:** Jury exam assessed by Panel of 10-15 minutes (instrument specific) Teacher Grade 50%. Panel Grade 50%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND2002

#### Bassoon 3 (Major)

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board) **Prerequisites:** WIND1003 Bassoon 2 (Major) or audition **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND2003

#### Bassoon 4 (Major)

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board) **Prerequisites:** WIND2002 Bassoon 3 (Major) **Assessment:** Qualifying Exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. Dip Mus - Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND2004

#### Clarinet 3 (Major)

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board) **Prerequisites:** WIND1005 Clarinet 2 (Major) or audition **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND2005

#### Clarinet 4 (Major)

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board) **Prerequisites:** WIND2004 Clarinet 3 (Major) **Assessment:** Qualifying Exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. Dip Mus - Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND2006

#### Flute 3 (Major)

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board) **Prerequisites:** WIND1007 Flute 2 (Major) or audition **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND2007

#### Flute 4 (Major)

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board) **Prerequisites:** WIND2006 Flute 3 (Major) **Assessment:** Qualifying Exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. Dip Mus - Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND2008

### Oboe 3 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board) **Prerequisites:** WIND1009 Oboe 2 (Major) or audition **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND2009

### Oboe 4 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board) **Prerequisites:** WIND2008 Oboe 3 (Major) **Assessment:** Qualifying Exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. Dip Mus - Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND2014

### Saxophone 3 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board) **Prerequisites:** WIND1015 Saxophone 2 (Major) or audition **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND2015

### Saxophone 4 (Major)

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board) **Prerequisites:** WIND2014 Saxophone 3 (Major) **Assessment:** Qualifying Exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. Dip Mus - Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND2016

### Saxophone Orchestra 3

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 2hr rehearsal/wk **Prerequisites:** WIND1017 Saxophone Orchestra 2 **Assessment:** A final grade will be compiled from continual

assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This Unit will help to develop ensemble skills that are essential for saxophonists playing in any conducted ensemble. The aim of this series of units is that the saxophonist will learn how to follow a conductor, listen to others, learn how to blend with other saxophonists and be able to play in a variety of styles. For information, contact the Chair of Woodwind.

## WIND2017

### Saxophone Orchestra 4

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 2 hr rehearsal/wk **Prerequisites:** WIND2016 Saxophone Orchestra 3 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This Unit will help to develop ensemble skills that are essential for saxophonists playing in any conducted ensemble. The aim of this series of units is that the saxophonist will learn how to follow a conductor, listen to others, learn how to blend with other saxophonists and be able to play in a variety of styles. For information, contact the Chair of Woodwind.

## WIND2018

### Woodwind Class 1

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 1 hr tut/wk **Assessment:** Masterclass performances, class participation (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This series of units gives students an opportunity to perform regularly at masterclasses. Students will be expected to discuss and critique each other's performances in an articulate and constructive manner. Detailed analysis of musical style, breathing, posture and performance techniques will be covered. For further information, contact the Chair (Woodwind).

## WIND2019

### Woodwind Class 2

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 1 hr tut/wk **Prerequisites:** WIND2018 Woodwind Class 1 **Assessment:** Masterclass performances, class participation (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Comp), B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This series of units gives students an opportunity to perform regularly at masterclasses. Students will be expected to discuss and critique each other's performances in an articulate and constructive manner. Detailed analysis of musical style, breathing, posture and performance techniques will be covered. For further information, contact the Chair (Woodwind).

## WIND2023

### Bassoon 4 (Minor)

## Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** WIND2022 Bassoon 3 (Minor) **Assessment:** Jury exam: 15 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND2024

#### Clarinet 3 (Minor)

## Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** WIND1022 Clarinet 2 (Minor) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND2025

#### Clarinet 4 (Minor)

## Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** WIND2024 Clarinet 3 (Minor) **Assessment:** Jury exam: 15 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND2032

#### Saxophone 3 (Minor)

## Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** WIND1030 Saxophone 2 (Minor) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND2033

#### Saxophone 4 (Minor)

## Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** WIND2032 Saxophone 3 (Minor) **Assessment:** Jury exam: 15 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND2613

#### Bassoon 3

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshops/wk **Prerequisites:** WIND1612 Bassoon 2 **Corequisites:** WIND2713 Bassoon 3 (Adv) - Dip Mus only **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND2614

#### Bassoon 4

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshops/wk **Prerequisites:** WIND2613 Bassoon 3 **Corequisites:** WIND2714 Bassoon 4 (Adv) - Dip Mus only **Assessment:** Jury/qualifying exam assessed by panel 15-25 minutes BMus 25 mins; BMusStud & BMus MusED 15 mins OR public recital at junior level assessed by panel 40 minutes (DipMus only) Teacher Grade 20%, Panel 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND2623

#### Clarinet 3

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshops/wk **Prerequisites:** WIND1622 Clarinet 2 **Corequisites:** WIND2723 Clarinet 3 (Adv) - Dip Mus only **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND2624

#### Clarinet 4

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshops/wk **Prerequisites:** WIND2623 Clarinet 3 **Corequisites:** WIND2724 Clarinet 4 (Adv) - Dip Mus only **Assessment:** Jury/qualifying exam assessed by panel 15-25 minutes BMus 25 mins; BMusStud & BMus MusED 15 mins OR public recital at junior level assessed by panel 40 minutes (DipMus only) Teacher Grade 20%, Panel 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND2633

#### Flute 3

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshops/wk **Prerequisites:** WIND1632 Flute 2 **Corequisites:** WIND2733 Flute 3 (Adv) - Dip Mus only **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit

#### WIND2634

##### Flute 4

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshops/wk **Prerequisites:** WIND2633 Flute 3 **Corequisites:** WIND2734 Flute 4 (Adv) - Dip Mus only **Assessment:** Jury/qualifying exam assessed by panel 15-25 minutes BMus 25 mins; BMusStud & BMus MusED 15 mins OR public recital at junior level assessed by panel 40 minutes (DipMus only) Teacher Grade 20%, Panel 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND2643

##### Oboe 3

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshops/wk **Prerequisites:** WIND1642 Oboe 2 **Corequisites:** WIND2743 Oboe 3 (Adv) - Dip Mus only **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. Form more information contact the Chair of Unit.

#### WIND2644

##### Oboe 4

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshops/wk **Prerequisites:** WIND2643 Oboe 3 **Corequisites:** WIND2744 Oboe 4 (Adv) - Dip Mus only **Assessment:** Jury/qualifying exam assessed by panel 15-25 minutes BMus 25 mins; BMusStud & BMus MusEd 15 mins or public recital at junior level assessed by panel 40 minutes (DipMus only) Teacher Grade 20%, Panel 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND2663

##### Saxophone 3

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** WIND1662 Saxophone 2 **Corequisites:** WIND2763 Saxophone 3 (Adv) - Dip Mus only **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND2664

##### Saxophone 4

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** WIND2663 Saxophone 3 **Corequisites:** WIND2764 Saxophone 4 (Adv) - Dip Mus only **Assessment:** Jury/qualifying exam assessed by panel 15-25 minutes BMus 25 mins; BMusStud & BMus MusED 15 mins OR public recital at junior level assessed by panel 40 minutes (DipMus only) Teacher Grade 20%, Panel 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND2713

##### Bassoon 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND1612 Bassoon 2 **Corequisites:** WIND2613 Bassoon 3 **Assessment:** Practice and performance journal including proposal for junior level recital (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021 Woodwind Class 1 - 4.*

**Associated degrees:** Dip Mus.

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals. For more information contact the Chair of Unit.

#### WIND2714

##### Bassoon 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND2713 Bassoon 3 (Adv) **Corequisites:** WIND2614 Bassoon 4 **Assessment:** Practice and performance journal of junior recital preparation (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021 Woodwind Class 1 - 4.*

**Associated degrees:** Dip Mus.

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals.. For more information contact the Chair of Unit.

#### WIND2723

##### Clarinet 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND1622 Clarinet 2 **Corequisites:** WIND2623 Clarinet 3 **Assessment:** Practice and performance journal including proposal for junior level recital (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021 Woodwind Class 1 - 4.*

**Associated degrees:** Dip Mus.

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based

assessments (masterclasses/concerts) including practice and performance journals. For more information contact the Chair of Unit.

#### WIND2724

##### Clarinet 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND2723 Clarinet 3 (Adv) **Corequisites:** WIND2624 Clarinet 4 **Assessment:** Practice and performance journal of junior recital preparation (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021 Woodwind Class 1 - 4.*

**Associated degrees:** Dip Mus.

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals. For more information contact the Chair of Unit.

#### WIND2733

##### Flute 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND1632 Flute 2 **Corequisites:** WIND2633 Flute 3 **Assessment:** Masterclass performances, class participation, plus provide a practice and performance journal including proposal for junior level recital (DipMus 4) 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021 Woodwind Class 1 - 4.*

**Associated degrees:** Dip Mus.

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals. For more information contact the Chair of Unit.

#### WIND2734

##### Flute 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND2733 Flute 3 (Adv) **Corequisites:** WIND2634 Flute 4 **Assessment:** Practice and performance journal of junior recital preparation (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021 Woodwind Class 1 - 4.*

**Associated degrees:** Dip Mus.

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals.. For more information contact the Chair of Unit.

#### WIND2743

##### Oboe 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND1642 Oboe 2 **Corequisites:** WIND2643 Oboe 3 **Assessment:** Practice and performance journal including proposal for junior level recital (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021 Woodwind Class 1 - 4.*

**Associated degrees:** Dip Mus.

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals. For more information contact the Chair of Unit.

#### WIND2744

##### Oboe 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND2743 Oboe 3 (Adv) **Corequisites:** WIND2644 Oboe 4 **Assessment:** Practice and performance journal of junior recital preparation (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021 Woodwind Class 1 - 4.*

**Associated degrees:** Dip Mus.

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals.. For more information contact the Chair of Unit.

#### WIND2763

##### Saxophone 3 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND1662 Saxophone 2 **Corequisites:** WIND2663 Saxophone 3 **Assessment:** Practice and performance journal including proposal for junior level recital (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021 Woodwind Class 1 - 4.*

**Associated degrees:** Dip Mus.

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals. For more information contact the Chair of Unit.

#### WIND2764

##### Saxophone 4 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND2763 Saxophone 3 (Adv) **Corequisites:** WIND2664 Saxophone 4 **Assessment:** Practice and performance journal of junior recital preparation (DipMus only); presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to DipMus students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021 Woodwind Class 1 - 4.*

**Associated degrees:** Dip Mus.

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals.. For more information contact the Chair of Unit.

Show » Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals.. For more information contact the Chair of Unit.

**WIND3002****Bassoon 5 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson or equivalent and performance workshop/week plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board). **Prerequisites:** WIND2003 Bassoon 4 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**WIND3003****Bassoon 6 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1 hour lesson or equivalent and performance workshop/week plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board). **Prerequisites:** WIND3002 Bassoon 5 (Major) **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**WIND3004****Clarinet 5 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** One 1hr lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board.) **Prerequisites:** WIND2005 Clarinet 4 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**WIND3005****Clarinet 6 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr individual lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board.) **Prerequisites:** WIND3004 Clarinet 5 (Major) **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**WIND3006****Flute 5 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson or equivalent and performance workshop/week plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board). **Prerequisites:** WIND2007 Flute 4 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**WIND3007****Flute 6 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson or equivalent and performance workshop/week plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board). **Prerequisites:** WIND3006 BMus: Flute 5 (Major); DipMus: Flute 4 (Major) **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**WIND3008****Oboe 5 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes or exam when offered. (Check Woodwind Notice Board). **Prerequisites:** WIND2009 Oboe 4 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**WIND3009****Oboe 6 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board) **Prerequisites:** WIND3008 Oboe 5 (Major) **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**WIND3010****Pedagogy Woodwind 1****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1 **Classes:** 1hr tut/wk **Assessment:** Written assignment (50%), class participation (20%), class presentation (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

To provide students with knowledge about educational approaches and strategies for teaching wind instruments to individuals and small groups. Topics will include creative teaching of beginner to advanced wind players. For further information contact the Chair (Woodwind).

**WIND3011****Pedagogy Woodwind 2****Sydney Conservatorium of Music**

**Credit points:** 3 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 2 **Classes:** 1hr tut/wk **Prerequisites:** WIND3010 Pedagogy Woodwind 1 **Assessment:** Written assignment (50%), class participation (20%), class presentation (30%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day



**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

To provide students with knowledge about educational approaches and strategies for teaching wind instruments to individuals and small groups. Topics will include creative teaching of beginner to advanced wind players. For further information contact the Chair (Woodwind).

#### WIND3014

##### Recorder 5 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson or equivalent and performance workshop/week plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board). **Prerequisites:** WIND2013 Recorder 4 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND3015

##### Recorder 6 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson or equivalent and performance workshop/week plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board). **Prerequisites:** WIND3014 Recorder 5 (Major) **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND3016

##### Saxophone 5 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson or equivalent and performance workshop/week plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board). **Prerequisites:** WIND2015 Saxophone 4 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND3017

##### Saxophone 6 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson or equivalent and performance workshop/week plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board). **Prerequisites:** WIND3016 Saxophone 5 (Major) **Assessment:** Recital at Junior level assessed by Panel: 40 mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND3018

##### Saxophone Orchestra 5

#### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 2 hr rehearsal/wk **Prerequisites:** WIND2017 Saxophone Orchestra 4 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This Unit will help to develop ensemble skills that are essential for saxophonists playing in any conducted ensemble. The aim of this series of units is that the saxophonist will learn how to follow a conductor, listen to others, learn how to blend with other saxophonists and be able to play in a variety of styles. For information, contact the Chair of Woodwind.

#### WIND3019

##### Saxophone Orchestra 6

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 2 hr rehearsal/wk **Prerequisites:** WIND3018 Saxophone Orchestra 5 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This Unit will help to develop ensemble skills that are essential for saxophonists playing in any conducted ensemble. The aim of this series of units is that the saxophonist will learn how to follow a conductor, listen to others, learn how to blend with other saxophonists and be able to play in a variety of styles. For information, contact the Chair of Woodwind.

#### WIND3020

##### Woodwind Class 3

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 1 hr tut/wk **Prerequisites:** WIND2019 Woodwind Class 2 **Assessment:** Preparation of class material, masterclass performances, class participation (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This series of units gives students an opportunity to perform regularly at masterclasses. Students will be expected to discuss and critique each other's performances in an articulate and constructive manner. Detailed analysis of musical style, breathing, posture and performance techniques will be covered. For further information, contact the Chair (Woodwind).

#### WIND3021

##### Woodwind Class 4

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 1 hr tut/wk **Prerequisites:** WIND3020 Woodwind Class 3 **Assessment:** Preparation of class material, masterclass performances, class participation (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This series of units gives students an opportunity to perform regularly at masterclasses. Students will be expected to discuss and critique each other's performances in an articulate and constructive manner. Detailed analysis of musical style, breathing, posture and performance



techniques will be covered. For further information, contact the Chair (Woodwind).

#### WIND3024

##### Bassoon 5 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** WIND2023 Bassoon 4 (Minor) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND3025

##### Bassoon 6 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** WIND3024 Bassoon 5 (Minor) **Assessment:** Jury exam: 20 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND3026

##### Clarinet 5 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** WIND2025 Clarinet 4 (Minor) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND3027

##### Clarinet 6 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** WIND3026 Clarinet 5 (Minor) **Assessment:** Jury exam: 20 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND3028

##### Flute 5 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** WIND2027 Flute 4 (Minor) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND3029

##### Flute 6 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** WIND3028 Flute 5 (Minor) **Assessment:** Jury exam: 20 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND3030

##### Oboe 5 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** WIND2029 Oboe 4 (Minor) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND3031

##### Oboe 6 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** WIND3030 Oboe 5 (Minor) **Assessment:** Jury exam: 20 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND3034

##### Saxophone 5 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** WIND2033 Saxophone 4 (Minor) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND3035

##### Saxophone 6 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk **Prerequisites:** WIND3034 Saxophone 5 (Minor) **Assessment:** Jury exam: 20 mins (instrument specific). Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus Studies, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND3036

##### Woodwind Class 5

## Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 1 hr tut/wk **Prerequisites:** WIND3021 Woodwind Class 4 **Assessment:** Preparation of class material, masterclass performances, class participation (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This series of units gives students an opportunity to perform regularly at masterclasses. Students will be expected to discuss and critique each other's performances in an articulate and constructive manner. Detailed analysis of musical style, breathing, posture and performance techniques will be covered. For further information, contact the Chair (Woodwind).

### WIND3037

#### Woodwind Class 6

## Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 1 hr tut/wk **Prerequisites:** WIND3036 Woodwind Class 5 **Assessment:** Masterclass performances, class participation (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Students enrolled in Principal Study (Advanced) units may not concurrently enrol in unit specific performance classes.*

**Associated degrees:** B A, B Mus Studies, B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, B Mus Studies, M B, B S, Dip Mus, UG Study Abroad Program.

This series of units gives students an opportunity to perform regularly at masterclasses. Students will be expected to discuss and critique each other's performances in an articulate and constructive manner. Detailed analysis of musical style, breathing, posture and performance techniques will be covered. For further information, contact the Chair (Woodwind).

### WIND3615

#### Bassoon 5

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and /or up to 6 small group/masterclasses and performance workshops/wk **Prerequisites:** WIND2614 Bassoon 4 **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit

### WIND3616

#### Bassoon 6

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshops/wk **Prerequisites:** WIND3615 Bassoon 5 **Assessment:** Public recital at junior level assessed by panel 40 minutes or jury exam assessed by panel 20 minutes (BMusStud & BMusEd only) Teacher Grade 20% Panel Grade 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit

### WIND3625

#### Clarinet 5

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and /or up to 6 small group/masterclasses and performance workshops/wk **Prerequisites:** WIND2624 Clarinet 4 **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND3626

#### Clarinet 6

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 one hour lessons and/or up to 6 small group/masterclasses and performance workshops/wk **Prerequisites:** WIND3625 Clarinet 5 **Assessment:** Public recital at junior level assessed by panel 40 minutes or jury exam assessed by panel 20 minutes (BMusStud & BMusEd only) Teacher Grade 20% Panel Grade 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND3635

#### Flute 5

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshops/wk **Prerequisites:** WIND2634 Flute 4 **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit

### WIND3636

#### Flute 6

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshops/wk **Prerequisites:** WIND3635 Flute 5 **Assessment:** Public recital at junior level assessed by panel 40 minutes or jury exam assessed by panel 20 minutes (BMusStud & BMusEd only). Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

### WIND3645

#### Oboe 5

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshops/wk **Prerequisites:** WIND2644 Oboe 4 **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the chair of Unit.

**WIND3646****Oboe 6****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshops/wk **Prerequisites:** WIND3645 Oboe 5 **Assessment:** Public recital at junior level assessed by panel 40 minutes or jury exam assessed by panel 20 minutes (BMusStud & BMusEd only) **Teacher Grade** 20%. **Panel Grade** 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**WIND3665****Saxophone 5****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** WIND2664 Saxophone 4 **Corequisites:** WIND3765 Saxophone 5 (Adv) - B Mus only **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**WIND3666****Saxophone 6****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 6-14 1-hour lessons and/or 4-6 master or small ensemble classes (or equivalent)/semester and performance workshop/week **Prerequisites:** WIND3665 Saxophone 5 **Corequisites:** WIND3766 Saxophone 6 (Adv) - B Mus only **Assessment:** Public recital at junior level assessed by panel 40 minutes or jury exam assessed by panel 20 minutes (BMusStud & BMusEd only) **Teacher Grade** 20% **Panel Grade** 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf), B Mus Studies, B Mus Studies, B A, B Mus Studies, M B, B S, UG Study Abroad Program.

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**WIND3765****Saxophone 5 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour sessions **Prerequisites:** WIND2664 Saxophone 4 **Corequisites:** WIND3665 Saxophone 5 **Assessment:** Practice and performance journal including proposal for junior level recital; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021/3036/3037 Woodwind Class 1 - 6.*

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals.. For more information contact the Chair of Unit.

**WIND3766****Saxophone 6 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND3765 Saxophone 5 (Adv) **Corequisites:** WIND3666 Saxophone 6 **Assessment:** Practice and performance journal of junior recital preparation; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021/3036/3037 Woodwind Class 1 - 6.*

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals.. For more information contact the Chair of Unit

**WIND4004****Bassoon 7 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson or equivalent and performance workshop/week plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board). **Prerequisites:** WIND3003 Bassoon 6 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**WIND4005****Bassoon 8 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson or equivalent and performance workshop/week plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board). **Prerequisites:** WIND4004 Bassoon 7 (Major) **Assessment:** Recital at Senior level assessed by Panel: 50mins. **Teacher Grade** 20%, **Panel Grade** 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**WIND4008****Clarinet 7 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes and exam classes when offered. (See Woodwind Notice Board) **Prerequisites:** WIND3005 Clarinet 6 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

**WIND4009****Clarinet 8 (Major)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board) **Prerequisites:** WIND4008 Clarinet 7 (Major) **Assessment:** Recital at Senior level assessed by Panel: 50mins. **Teacher Grade** 20%, **Panel Grade** 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4012

##### Flute 7 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson or equivalent and performance workshop/week plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board). **Prerequisites:** WIND3007 Flute 6 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4014

##### Flute 8 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson or equivalent and performance workshop/week plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board). **Prerequisites:** WIND4012 Flute 7 (Major) **Assessment:** Recital at Senior level assessed by Panel: 50mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4016

##### Oboe 7 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board) **Prerequisites:** WIND3009 Oboe 6 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4018

##### Oboe 8 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board) **Prerequisites:** WIND4016 Oboe 7 (Major) **Assessment:** Recital at Senior level assessed by Panel: 50mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4022

##### Recorder 7 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson or equivalent and performance workshop/week plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board). **Prerequisites:** WIND3015 Recorder 6 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4024

##### Recorder 8 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson or equivalent and performance workshop/week plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board). **Prerequisites:** WIND4022 Recorder 7 (Major) **Assessment:** Recital at Senior level assessed by Panel: 50mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4026

##### Saxophone 7 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson or equivalent and performance workshop/week plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board). **Prerequisites:** WIND3017 Saxophone 6 (Major) **Assessment:** Teacher Grade 100%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4028

##### Saxophone 8 (Major)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1 hr lesson or equivalent and performance workshop/week plus attendance at masterclasses, studio classes and exam classes when offered. (Check Woodwind Notice Board). **Prerequisites:** WIND4026 Saxophone 7 (Major) **Assessment:** Recital at Senior level assessed by Panel: 50mins. Teacher Grade 20%, Panel Grade 80%. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed), B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4030

##### Saxophone Orchestra 7

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 2 hr rehearsal/wk **Prerequisites:** WIND3019 Saxophone Orchestra 6 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated during rehearsals and performances (100%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

This Unit will help to develop ensemble skills that are essential for saxophonists playing in any conducted ensemble. The aim of this series of units is that the saxophonist will learn how to follow a conductor, listen to others, learn how to blend with other saxophonists and be able to play in a variety of styles. For information, contact the Chair of Woodwind.

#### WIND4031

##### Saxophone Orchestra 8

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 2 hr rehearsal/wk **Prerequisites:** WIND4030 Saxophone Orchestra 7 **Assessment:** A final grade will be compiled from continual assessment of professional demeanour and ensemble skills demonstrated

during rehearsals and performances (100%). **Campus:** Camperdown/Darlington  
**Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

This Unit will help to develop ensemble skills that are essential for saxophonists playing in any conducted ensemble. The aim of this series of units is that the saxophonist will learn how to follow a conductor, listen to others, learn how to blend with other saxophonists and be able to play in a variety of styles. For information, contact the Chair of Woodwind.

#### WIND4034

##### Bassoon 7 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk  
**Prerequisites:** WIND3025 Bassoon 6 (Minor) at Distinction level **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4035

##### Bassoon 8 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk  
**Prerequisites:** WIND4034 Bassoon 7 (Minor) at Credit level **Assessment:** Jury exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4036

##### Clarinet 7 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk  
**Prerequisites:** WIND3027 Clarinet 6 (Minor) at Distinction level **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4037

##### Clarinet 8 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk  
**Prerequisites:** WIND4036 Clarinet 7 (Minor) at Credit level **Assessment:** Jury exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4038

##### Flute 7 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk  
**Prerequisites:** WIND3029 Flute 6 (Minor) at Distinction level **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4039

##### Flute 8 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk  
**Prerequisites:** WIND4038 Flute 7 (Minor) at Credit level **Assessment:** Jury exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4040

##### Oboe 7 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk  
**Prerequisites:** WIND3031 Oboe 6 (Minor) at Distinction level **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4041

##### Oboe 8 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk  
**Prerequisites:** WIND4040 Oboe 7 (Minor) at Credit level **Assessment:** Jury exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4044

##### Saxophone 7 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk  
**Prerequisites:** WIND3035 Saxophone 6 (Minor) at Distinction level **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

#### WIND4045

##### Saxophone 8 (Minor)

##### Sydney Conservatorium of Music

**Credit points:** 3 **Teacher/Coordinator:** Chair (Woodwind) **Session:** Semester 1, Semester 2 **Classes:** 1hr lesson or equivalent and performance workshop/wk  
**Prerequisites:** WIND4044 Saxophone 7 (Minor) at Credit level **Assessment:** Jury exam: 25 mins (instrument specific). Teacher Grade 20%, Panel Grade 80% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Mus Ed).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND4617

### Bassoon 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** WIND3616 Bassoon 6 **Corequisites:** WIND4717 Bassoon 7 (Adv) **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit

## WIND4618

### Bassoon 8

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** WIND4617 Bassoon 7 **Corequisites:** WIND4718 Bassoon 8 (Adv) **Assessment:** Public recital at senior level assessed by panel 50 mins; Teacher Grade 20%; panel grade 80% . Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND4627

### Clarinet 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** WIND3626 Clarinet 6 **Corequisites:** WIND4727 Clarinet 7 (Adv) **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND4628

### Clarinet 8

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** WIND4627 Clarinet 7 **Corequisites:** WIND4728 Clarinet 8 (Adv) **Assessment:** Public recital at senior level assessed by panel 50 mins; Teacher Grade 20%; panel grade 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND4637

### Flute 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** WIND3636 Flute 6 **Corequisites:** WIND4737 Flute 7 (Adv) **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND4638

### Flute 8

## Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** WIND4637 Flute 7 **Corequisites:** WIND4738 Flute 8 (Adv) **Assessment:** Public recital at senior level assessed by panel 50 mins; Teacher Grade 20%; panel grade 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND4647

### Oboe 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/wk **Prerequisites:** WIND3646 Oboe 6 **Corequisites:** WIND4747 Oboe 7 (Adv) **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND4648

### Oboe 8

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/wk **Prerequisites:** WIND4647 Oboe 7 **Corequisites:** WIND4748 Oboe 8 (Adv) **Assessment:** Public recital at senior level assessed by panel 50 minutes; Teacher Grade 20%; panel grade 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND4667

### Saxophone 7

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/week **Prerequisites:** WIND3666 Saxophone 6 **Corequisites:** WIND4767 Saxophone 7 (Adv) **Assessment:** Teacher Grade 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND4668

### Saxophone 8

#### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 14 one hour lessons/semester and performance workshops/wk **Prerequisites:** WIND4667 Saxophone 7 **Corequisites:** WIND4768 Saxophone 8 (Adv) **Assessment:** Public recital at senior level assessed by panel 50 mins; Teacher Grade 20%; panel grade 80%. Students must pass all assessment components. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression, concert practice and presentation. For more information contact the Chair of Unit.

## WIND4717

### Bassoon 7 (Advanced)

**Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND3616 Bassoon 6 **Corequisites:** WIND4617 Bassoon 7 **Assessment:** Practice and performance journal including proposal for senior level recital; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021/3036/3037 Woodwind Class 1 - 6.*

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals. For more information contact the Chair of Unit.

**WIND4718****Bassoon 8 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND4717 Bassoon 7 (Adv) **Corequisites:** WIND4618 Bassoon 8 **Assessment:** Practice and performance journal of senior recital preparation; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021/3036/3037 Woodwind Class 1 - 6.*

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals.. For more information contact the Chair of Unit.

**WIND4727****Clarinet 7 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND3626 Clarinet 6 **Corequisites:** WIND4627 Clarinet 7 **Assessment:** Practice and performance journal including proposal for senior level recital; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021/3036/3037 Woodwind Class 1 - 6.*

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals.. For more information contact the Chair of Unit.

**WIND4728****Clarinet 8 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND4727 Clarinet 7 (Adv) **Corequisites:** WIND4628 Clarinet 8 **Assessment:** Practice and performance journal of senior recital preparation; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021/3036/3037 Woodwind Class 1 - 6.*

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals.. For more information contact the Chair of Unit.

**WIND4737****Flute 7 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND3636 Flute 6 **Corequisites:** WIND4637 Flute 7 **Assessment:** Practice and performance journal including proposal for senior level recital; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021/3036/3037 Woodwind Class 1 - 6.*

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals.. For more information contact the Chair of Unit.

**WIND4738****Flute 8 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND4737 Flute 7 (Adv) **Corequisites:** WIND4638 Flute 8 **Assessment:** Practice and performance journal of senior recital preparation; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021/3036/3037 Woodwind Class 1 - 6.*

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals.. For more information contact the Chair of Unit.

**WIND4747****Oboe 7 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND3646 Oboe 6 **Corequisites:** WIND4647 Oboe 7 **Assessment:** Practice and performance journal including proposal for senior level recital; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021/3036/3037 Woodwind Class 1 - 6.*

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals.. For more information contact the Chair of Unit.

**WIND4748****Oboe 8 (Advanced)****Sydney Conservatorium of Music**

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND4747 Oboe 7 (Adv) **Corequisites:** WIND4648 Oboe 8 **Assessment:** Practice and performance journal of senior recital preparation; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021/3036/3037 Woodwind Class 1 - 6.*

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based

assessments (masterclasses/concerts) including practice and performance journals. For more information contact the Chair of Unit.

#### WIND4767

##### Saxophone 7 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour sessions **Prerequisites:** WIND3766 Saxophone 6 (Adv) **Corequisites:** WIND4667 Saxophone 7 **Assessment:** Practice and performance journal including proposal for senior level recital; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021/3036/3037 Woodwind Class 1 - 6.*

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals. For more information contact the Chair of Unit.

#### WIND4768

##### Saxophone 8 (Advanced)

##### Sydney Conservatorium of Music

**Credit points:** 6 **Teacher/Coordinator:** Dr Alexa Still **Session:** Semester 1, Semester 2 **Classes:** 12 one hour seminars **Prerequisites:** WIND4767 Saxophone 7 (Adv) **Corequisites:** WIND4668 Saxophone 8 **Assessment:** Practice and performance journal of senior recital preparation; presentations, performances and/or other participation in unit classes as required. 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This unit is open only to BMus(Perf) students. Students enrolling in this Unit of Study may not concurrently enrol in WIND2018/2019/3020/3021/3036/3037 Woodwind Class 1 - 6.*

**Associated degrees:** B Mus (Perf).

Development of appropriate repertoire, technical skills, musical expression through project-based assessments and participation in unit specific classes and/or attendance/participation based assessments (masterclasses/concerts) including practice and performance journals.. For more information contact the Chair of Unit.

#### WMST4011

##### Gender Studies Honours A

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1, Semester 2 **Classes:** one 2 hour seminar per week **Prerequisites:** GCST2602 (or WMST2002) at credit level or higher and an additional 36 credit points of Gender Studies **Assessment:** All of the major components of the Honours year will be assessed **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment. Note: Available only to students who commenced Gender Studies Honours before 2007*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Honours consists of a number of seminars, coursework and the completion of a substantial research thesis. For details please contact the Chair of Department or the Honours Co-ordinator (where applicable) or obtain a copy of the relevant Student Information Guide from the SOPHI Office.

#### WMST4012

##### Gender Studies Honours B

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1, Semester 2 **Corequisites:** WMST4011 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available only to students who commenced Gender Studies Honours before 2007*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Refer to WMST4011

#### WMST4013

##### Gender Studies Honours C

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1, Semester 2 **Corequisites:** WMST4012 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available only to students who commenced Gender Studies Honours before 2007*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Refer to WMST4011

#### WMST4014

##### Gender Studies Honours D

##### Arts

**Credit points:** 12 **Teacher/Coordinator:** Dr Ruth Barcan **Session:** Semester 1, Semester 2 **Corequisites:** WMST4013 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Available only to students who commenced Gender Studies Honours before 2007*

**Associated degrees:** B A (Hons), Dip Arts(Hons).

Refer to WMST4011

#### WORK1003

##### Foundations of Work and Employment

##### Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 2 lectures and 1 seminar per week **Assessment:** Participation, short essay, major essay, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.*

**Associated degrees:** B A, B Agr Ec, B Com, B E, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit draws on concepts from industrial relations and human resource management to examine the interests and strategies of workers, unions, managers, employers and the state. It explores the relationships between these parties as they seek to manage their environments and workplaces and to exercise control over each other. The unit enables students to understand how and why the organisation, regulation and management of work are changing in Australia and globally. As well as providing an introduction to all aspects of the study of the employment relationship, this is the foundation unit for a major in industrial relations and human resource management.

#### WORK1551

##### Industrial Relations & HRM Exchange

##### Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

#### WORK2201

##### Foundations of Management

##### Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 lectures and 1 seminar per week **Prerequisites:** 24 credit points of junior units of study **Prohibitions:** IREL2001, WORK2001 **Assessment:** Assignment, essay and exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This is the compulsory unit of study for the Management major.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit serves both as a stand-alone unit for students who wish to obtain an overview of management methods and approaches and as the basis of study for advanced and specialised undergraduate units listed in the Management major. It examines management as a process of planning, organising, leading and controlling the efforts of



organisational members and discusses how recent trends such as globalisation, economic change and the effects of new technology have led to profound changes in how organisations are managed. It explores these issues with respect to both large and small, public and private, and domestic and foreign organisations.

### **WORK2203** **Industrial Relations Policy** **Economics and Business**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hrs of lectures and 1 seminar per week **Prerequisites:** 24 credit points of junior units of study including (WORK1003 or WORK1001 or IREL1001) **Prohibitions:** IREL2003, WORK2003 **Assessment:** Tutorial presentation, essay, participation, journal or exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit introduces the institutions and processes of Australian industrial relations with an emphasis on laws, institutions and social processes. It combines theoretical and historical understandings of Australian industrial relations with a detailed examination of the current problems and strategies of the key industrial relations players. The topics studied include: the regulatory framework of industrial relations; policies of federal and state governments; the history and policies of unions and employer associations; the practices of Australia's arbitral tribunals; the development of wage determination; and emerging patterns of dispute resolution and bargaining.

### **WORK2204** **Sociology of Work** **Economics and Business**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 hrs of lectures and 1 seminar per week **Prerequisites:** 48 credit points **Prohibitions:** IREL2004; WORK2004 **Assessment:** Assignment, essay and exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit begins with a brief introduction to sociology as a field of study and to the organising principles of Australian and other societies in a global context. The focus of the unit is on patterns of change and stability in the structure of work and how work is experienced, with an emphasis on the organisational and occupational foundations of working life. Bureaucratic and flexible forms of work organisation are considered, as well as the sociological characteristics of a range of occupational groups. Macro-sociological issues such as the relationship between work and other institutions such as the family and education are considered, as well as the micro-sociological foundations of relations at work.

### **WORK2205** **Human Resource Processes** **Economics and Business**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 Lectures and 1 seminar per week **Prerequisites:** 24 credit points of junior units of study including WORK1003 (or WORK1002 or IREL1002) **Prohibitions:** IREL2005, WORK2005 **Assessment:** Continuous: case study practical, essay and/or exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

Building on the foundational coverage of Human Resource Management (HRM) issues and concepts provided in WORK1003, this unit provides an advanced understanding of key HRM concepts, processes and practices, including the employee psychological contract; engagement, motivation and satisfaction; recruitment and selection; learning and development; career planning and development; mentoring and coaching, performance management;

reward management; high involvement management, employee wellbeing; HRM and ethics; international HRM; and HRM system evaluation and change. The unit's 'micro'/psychological focus is designed to complement and support the 'macro'/strategic focus taken in the advanced elective unit WORK2211 Human Resource Strategies.

### **WORK2207** **Labour Law** **Economics and Business**

**Credit points:** 6 **Session:** Semester 1 **Classes:** Lectures and seminar **Prerequisites:** 40 credit points including WORK1003 (or WORK1001 or IREL1001) **Prohibitions:** IREL2007; WORK2007 **Assessment:** Continuous: Essays, case studies and/or exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit examines the legal framework with respect to labour relations in Australia. In particular it examines the scope of industrial law, the employment relationship, the Federal-State division of legislative power in industrial relations and the industrial arbitration systems, courts tribunals and awards. Current developments in the law and politics of the systems will be referred to throughout the course.

### **WORK2209** **Organisational Analysis and Behaviour** **Economics and Business**

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 lectures and 1 seminar per week **Prerequisites:** 40 credit points worth of units of study **Prohibitions:** IREL2009, WORK2009 **Assessment:** Participation, essay and exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

The aim of this unit is to provide an understanding of the actual processes and structures that influence the way people behave in organisations. It examines different approaches beginning with the individual (micro) level through to the organisational (macro) level. It takes students through a range of topics including attitudes, perceptions, organisational citizenship, workaholism, humour at work, rumour/gossip, romance/sex in organisations, bullying and violence, group dynamics, organisational power and politics and organisational culture. At the end of the unit students have developed the ability to reason, debate and critically examine a range of topical organisational issues.

### **WORK2210** **Strategic Management** **Economics and Business**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 lectures and 1 seminar per week **Prerequisites:** 40 credit points worth of units of study **Prohibitions:** IREL2010, WORK2010 **Assessment:** Test, tutorial presentation, case study, exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

The aim of this unit is to critically examine the concept of strategy in the management of organisations. It examines different approaches to strategy and strategic management and traces the development of strategic management as an academic discipline. It takes students through the classical strategic management process as it is presented in most textbooks and it also introduces students to a range of current debates in strategic management. This unit can be taken as a stand alone introduction to strategy or as part of a broader program of study in management.

### **WORK2211** **Human Resource Strategies** **Economics and Business**

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 lectures and 1 seminar per week **Prerequisites:** 40 credit points of units of study including WORK1003 (or WORK1002 or IREL1002) **Prohibitions:** IREL2011, WORK2011

**Assessment:** Tutorial paper, participation, essay and exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit examines the links between human resource management and strategic management in different kinds of organisations, both in Australia and overseas. It provides a critical and in-depth analysis of the human resource management theories, paying particular attention to the concepts of strategy, people management and organisational performance. The unit considers contemporary and controversial issues in human resource management, which may include downsizing, outsourcing, knowledge management, governance and social responsibility.

## WORK2215

### IR and HRM Practice Economics and Business

**Credit points:** 6 **Session:** S2 Late Int **Classes:** Intensive mode during mid year break and in semester 2 **Prerequisites:** WORK1003 or (WORK1001 and WORK1002) plus 12 senior credit points in WOS units of study **Prohibitions:** IREL2015, WORK2015 **Assessment:** Role play, essay **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

*Note: Department permission required for enrolment. Note: Entry to the unit is by application to the Discipline of Work and Organisational Studies Office and is on a merit basis. The application can be downloaded from <http://www.econ.usyd.edu.au/work2215/>*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit is intended to go some way towards bridging the gap between theory and professional life. The unit examines the theoretical basis of labour negotiation. It goes on to examine the process of bargaining drawing upon both literature and experience of industrial relations and human resource management practitioners. The process of advocacy and role of advocacy in Australian industrial relations is also examined. Much of the unit is devoted to role-play negotiation exercises where students apply the techniques that have been taught. Students also undertake a period of work experience.

## WORK2216

### Voice and Representation Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 2 lectures and 1 seminar per week **Prerequisites:** (WORK1003) OR (WORK1001 and WORK1002) **Assessment:** Assessment drawn from a menu of case studies, tutorial papers, essays and examinations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

Focusing mainly on unions in Australia, this unit explores the nature of workers' collective action in and beyond the workplace. It examines debates about the origins and purposes of collective action, the development of union structure and strategy and asks about the future of unionism. Particular issues to be addressed may include: ideology and politics in unions; democracy and the role of the union official; the gendered construction of unionism; 'solidarity' and 'difference' in unions; the economic impact of unions; international and local unionism; and comparisons with overseas forms of worker organisation.

## WORK2217

### International Human Resource Management Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 lectures and 1 seminar per week **Prerequisites:** 40 credit points worth of units of study including either (WORK1003 or WORK1001 or IREL1001) OR (IBUS2101 or IBUS2001) **Prohibitions:** WORK2017 **Assessment:** Group presentation, journal and exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit considers the opportunities and challenges associated with managing employees in international and cross-cultural contexts, with specific emphasis on international recruitment, selection, preparation, placement, management development, performance management, reward and remuneration in the international, multi-national and trans-national corporation. Within the context of global labour markets, the unit considers the implications of internationalisation and globalisation for human resource management (HRM), the difference between domestic and international HRM, and the challenges of cross-cultural management. This unit will provide students with a theoretical understanding of IHRM and cross-cultural management, as well as a practical understanding of the issues and challenges associated with managing employees in international, global and cross-cultural contexts.

## WORK2218

### People and Organisations Economics and Business

**Credit points:** 6 **Session:** Semester 1, Semester 2 **Classes:** 2 lectures and 1 seminar per week **Prerequisites:** 24 junior credit points **Assessment:** Assignment, group case study and exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

Contemporary organisations are characterised by a high degree of change. One of the most pervasive, and widely debated, changes in organisations has been the growing use of various forms of teamwork. Contemporary forms of teamwork include project based teams, virtual teams, and self managing teams and are found across a broad spectrum of organisational types- from manufacturing to professional service organisations. This unit of study introduces students to theories about the impact of individual, group and organisational factors on people and organisations and uses these concepts and theories to examine the factors that can make working in and managing teams more effective. As such, People and Organisations is designed to provide students majoring in Business insight into a set of critical issues that will impact their professional and business careers. Because of the increasing significance of teamwork, this unit of study also provides an important foundation for further study in Management and Industrial Relations and Human Resource Management.

## WORK2219

### Management and Organisational Ethics Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 lectures and 1 seminar per week **Prerequisites:** 40 credit points worth of units of study **Assessment:** Essay, group project and exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, UG Study Abroad Program.

Ethical issues are occupying an increasingly prominent place in work, organisation and management studies. This unit of study focuses on ethical aspects of management and organisational practice. By applying relevant ethical frameworks, students will be encouraged to enhance their understanding of the role and responsibilities of management, the impact of organisations on employees and the ethical implications of contemporary trends in employment. This unit builds on foundational units of study in Management, Industrial Relations and Human Resource Management.

## WORK2220

### Managing Knowledge Work Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 lectures and 1 seminar per week **Prerequisites:** 48 credit points **Assessment:** Continuous: Essays, case studies and/or exam. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Com, B Agr Ec, B C S T, B Com, B Com (Liberal Studies), B Com, LL B, B E, B Com, B Ec, B Ec (Soc Sc), B Ec, LL B, B Ec Soc Sc, B Ec Soc Sc, LL B, B I T, B Int S, B Sc, B Com, UG Study Abroad Program.

Knowledge management is designed to increase the ability of firms to exploit knowledge as a resource. However designing and acknowledging strategies to exploit knowledge does little to advance our understanding of the characteristics of knowledge work or the challenges it throws up for management. This subject aims to ground abstract notions of knowledge and knowledge management within an understanding of the different behavioural and organisational contexts of workplaces. The unit analyses the meaning of knowledge and knowledge work and recognizes the importance of knowledge management as a response to wider changes in contemporary advanced economies.

#### WORK2221

##### Organisational Communication Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 lectures and 1 seminar per week **Prerequisites:** 40 credit points worth of units of study **Assessment:** Participation, group project and exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Agr Ec, B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S, UG Study Abroad Program.

Communication is integral to many organisational processes; for instance, effective planning, decision-making, negotiation, conflict management, change management and leadership all rely upon effective communication by organisational actors. At the same time, organisational communication has become more complex due to increasing levels of diversity in the workplace and an increasing reliance on emergent and rapidly changing communication technologies. Drawing on communication research models, theories and case studies, the unit will provide students with insight into how to manage the complexities of contemporary organisational communication. The unit will focus primarily on internal organisational communication and will examine communication processes at various levels: interpersonal (dyadic), group and organisation.

#### WORK2222

##### Leadership in Organisations Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** 40 credit points worth of units of study **Assumed knowledge:** WORK2201 or WORK2218 **Assessment:** Leader or Leadership Case Study Profile Assignment; Exam; Seminar Attendance and Participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com, B Com (Liberal Studies), B Ec, UG Study Abroad Program.

Leadership is increasingly seen to be a key factor affecting the performance of contemporary organisations and is an important area of study in the fields of management and organisational behaviour. While leadership principles are often associated with the work of senior management, they also have potential application to all members of organisations. This unit explores conventional and alternative perspectives on leadership and also examines the practice of leadership in diverse organisational contexts. Practitioner perspectives, experiences and case studies of business leaders are also presented. The unit builds on foundational units of study in Management, IR and HRM and International Business.

#### WORK2223

##### Work and Globalisation Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** WORK1003 **Assessment:** Quizzes; Team problem exercises; Written assignment; Final assessment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B Com, B Com (Liberal Studies), B Ec, UG Study Abroad Program.

In an era of globalisation, the regional and national prospects of welfare and growth are continuously contested. This course offers a comprehensive framework for understanding how work, workers, organisations and management are influenced by (and in turn influence) economic, social, cultural and organisational processes in

an era of global capitalism. Applying three fundamental geographical concepts - place, space and scale - Work and Globalisation analyses the paradoxes and dilemmas which workers and managers face, the changing dynamic of the regulatory and industrial relations environment, and avenues and effects of worker action.

#### WORK2551

##### Work & Organisational Studies Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

#### WORK2552

##### Work & Organisational Studies Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

#### WORK2553

##### Work & Organisational Studies Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

#### WORK2554

##### Work & Organisational Studies Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

#### WORK2555

##### Work & Organisational Studies Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

#### WORK2556

##### Work & Organisational Studies Exchange Economics and Business

**Credit points:** 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S.

#### WORK3921

##### Theories of Work and Organisations Economics and Business

**Credit points:** 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** (WORK1003) OR (WORK1001 and WORK1002) **Prohibitions:** IREL3901, WORK3901 **Assessment:** Please consult the Discipline of Work and

Organisational Studies for details **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Com (Liberal Studies), B E, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit forms part of the Work and Organisational Studies honours program. It introduces students to the roles of theory in science, particularly social sciences and examines the development of different models of theory development in the social sciences. The unit also examines a selection of different theoretical approaches to explaining work and organisations. This is done so by identifying several different issues or themes that have emerged in work and organisational studies and discussing the manner in which these themes have been studied and the consequent explanations that have emerged.

### WORK3922

#### Researching Work and Organisations Economics and Business

**Credit points:** 6 **Session:** Semester 2 **Classes:** 2 hrs per week **Prerequisites:** (WORK3921 or IREL3901) or (IREL2901 and IREL2902) **Prohibitions:** IREL3902, WORK3902 **Assessment:** Please consult the Discipline of Work and Organisational Studies for details **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Agr Ec, B Com, B Com (Liberal Studies), B E, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B Int S, UG Study Abroad Program.

This unit seeks to develop the skills, practices and understandings necessary to undertake a research-based thesis in work and organisational studies. Students gain an understanding of the theoretical basis and design requirements of the main qualitative and quantitative approaches to research, as well as the techniques of questionnaire design, interviewing, observation and documentary analysis. There is an emphasis on the development of methodological expertise relevant to the students anticipated dissertation topic and the preparation of a viable research proposal.

### WORK4101

#### Industrial Relations & HRM Honours A Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Prerequisites:** 36 credit points of senior level WORK units of study inclusive of WORK3921 and WORK3922. All WORK units of study must be passed at a credit level or above. Requirements for the Pass degree must be completed before entry to level 4000 honours units of study. **Prohibitions:** IREL4101 **Assessment:** Coursework; Dissertation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

*Note: Department permission required for enrolment.*

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons).

The primary focus is on an original dissertation of approximately 20,000 words to be submitted at the end of Part B. In addition, students must undertake coursework as specified. Candidates must enrol in WORK4102, WORK4103 and WORK4104 to complete the honours year.

### WORK4102

#### Industrial Relations & HRM Honours B Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** WORK4101 **Prohibitions:** IREL4102 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons).

See WORK4101

### WORK4103

#### Industrial Relations & HRM Honours C

### Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** WORK4102 **Prohibitions:** IREL4103 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons).

See WORK4101

### WORK4104

#### Industrial Relations & HRM Honours D Economics and Business

**Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** WORK4103 **Prohibitions:** IREL4104 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A (Hons), B Com (Hons), B Ec (Hons), B Ec (Soc Sc)(Hons).

See WORK4101

### WORK9001

#### Industrial Relations & HRM Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

### WORK9002

#### Industrial Relations & HRM Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

### WORK9003

#### Industrial Relations & HRM Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

### WORK9004

#### Industrial Relations & HRM Extension Economics and Business

**Credit points:** 2 **Session:** Semester 1, Semester 2 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day *Note: Department permission required for enrolment.*

**Associated degrees:** B C S T, B Com, B Ec, B Ec (Soc Sc), B Ec Soc Sc, B I T, B Int S.

### WRIT1001

#### Academic English Arts

**Credit points:** 6 **Teacher/Coordinator:** Prof Bill Foley / Dr Susan Thomas **Session:** Semester 1, Semester 2 **Classes:** Two 1hour lectures and one 1hour tutorial per week. **Prerequisites:** Upon registration for this unit students will be directed to an online diagnostic exercise. **Assessment:** 10 x short written assignments of 300 words each and one 1500 word essay. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B E, B Int S, B S T, UG Study Abroad Program.

The persuasive power of the English language emerges from its richness and variation. This unit teaches students to recognize these complexities as resources for the creative construction of meaning. Students will learn to communicate effectively and clearly in oral and written mediums and critically appraise the variable forms of English in regional, gender and cultural groups. In addition to lectures and

tutorials, students will engage with variations in the English language through film, television, technology and music.

**WRIT1002****Academic Writing****Arts**

**Credit points:** 6 **Teacher/Coordinator:** Dr R Johnke **Session:** Semester 1, Semester 2, Summer Late, Winter Main **Classes:** One 1hour lecture per week (includes some online lectures) and one 1hour tutorial per week. **Prerequisites:** This unit is available to all enrolled students and across all faculties. There are no specific prerequisites but students will be required to complete a diagnostic exercise in their first tutorial. Students in this unit are assumed to have native or near native competence in written English. Students who do not have this competence would benefit from completing WRIT1001 before enrolling in WRIT1002 but WRIT1001 is NOT a pre-requisite for WRIT1002. **Assessment:** One 1500 word annotated bibliography and essay outline, one 1500 word essay, one 2hour exam and one 1000 word online discussion and debate postings. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B E, B Int S, B S T, UG Study Abroad Program, UG Summer/Winter School.

This unit, taught by the Department of English, introduces students to rhetorical studies and communication theory. It is designed to improve writing at all undergraduate levels in a variety of formats across a range of disciplines. It teaches students to construct persuasive arguments that are logical, ethical and engaging. Students are encouraged to think critically about the production and reception of a variety of texts and to view writing as a process involving research, drafting, revising, editing and collaboration.



# University undergraduate units of study – Y

## YDDH1101

### Yiddish 1

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Dowling **Session:** Semester 1  
**Classes:** 4 hours per week **Assessment:** 2 hour final exam (60%), written work (homework and quizzes) (20%), continuous assessment, preparation and participation (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit introduces students to Yiddish through a study of its grammar, as well as exercises in conversation and reading. In addition, discussions on the history, linguistics and dialectology of Yiddish will be given in order to prepare students for readings at the senior level.

## YDDH1102

### Yiddish 2

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Dowling **Session:** Semester 2  
**Classes:** 4 hours per week **Prerequisites:** YDDH1101 or permission from the department **Assessment:** 2 hour final exam (60%), written work (homework and quizzes) (20%), continuous assessment, preparation and participation (20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit further develops the study of Yiddish language, building upon the foundations set in YDDH1101. Students continue to learn grammar and vocabulary, through exercises in conversation and reading. As with YDDH1101, discussions on history as well as Yiddish culture and literature will be given in order to prepare students for readings at the senior level.

## YDDH2603

### Yiddish 3

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Dowling **Session:** Semester 1  
**Classes:** 4 hours per week **Prerequisites:** YDDH1102 or permission from the department **Prohibitions:** YDDH2103, YDDH2104 **Assessment:** 2 hour exam (equivalent to 2000 words, 50%), written work (homework and quizzes) (equivalent to 1500 words, 30%), continuous assessment, participation and preparation (equivalent to 1000 words, 20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit will continue to develop the language foundations built in Yiddish 1 and 2. The unit will focus upon conversation and composition, and includes the reading of selected texts from modern Yiddish literature, as well as an introduction to various media sources. The unit consists of: practical language skills including conversation, composition and comprehension exercises (3 hours per week) and readings from modern literature (1 hour per week).

#### Textbooks

Recommended:  
 Weinreich, Uriel, Modern English-Yiddish/Yiddish-English Dictionary. NY:Schocken

## YDDH2604

### Yiddish 4

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Dowling **Session:** Semester 2  
**Classes:** 4 hours per week **Prerequisites:** YDDH2103 or YDDH2603 **Prohibitions:** YDDH2104 **Assessment:** 2 hour exam (equivalent to 2000 words, 50%), written work (homework and quizzes) (equivalent to 1500 words, 30%), continuous assessment, participation and preparation (equivalent to 1000 words, 20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit continues the program outlined in Yiddish 3: conversation, composition, readings from Yiddish literature, as well as discussion of material gleaned from various media sources. As with other senior Yiddish units, Yiddish 4 consists of practical language skills (3 hours per week) and readings from modern literature (1 hour per week).

#### Textbooks

Recommended:  
 Weinreich, Uriel, Modern English-Yiddish/Yiddish-English Dictionary. NY:Schocken

## YDDH3605

### Yiddish 5

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Dowling **Session:** Semester 1  
**Classes:** 4 hours per week **Prerequisites:** YDDH2104 or YDDH2604 **Prohibitions:** YDDH3105, YDDH3106 **Assessment:** 2 hour exam (equivalent to 2000 words, 50%), written work (homework and quizzes) (equivalent to 1500 words, 30%), continuous assessment, participation and preparation (equivalent to 1000 words, 20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit is designed to strengthen the language foundations built in Yiddish 3 and 4. The unit will continue to focus upon conversation and composition, and includes a reading of selected texts from Yiddish literature, as well as discussion of topics presented in various media sources; each semester's emphasis will vary. The unit of study consists of: practical language skills including conversation, composition and comprehension exercises (3 hours per week) and readings from modern literature (1 hour per week).

#### Textbooks

Recommended:  
 Weinreich, Uriel, Modern English-Yiddish/Yiddish-English Dictionary. NY:Schocken. Or  
 Harkavy, Alexander, Yiddish-English-Hebrew Dictionary. NY:Schocken, 1988

## YDDH3606

### Yiddish 6

#### Arts

**Credit points:** 6 **Teacher/Coordinator:** Dr Dowling **Session:** Semester 2  
**Classes:** 4 hours per week **Prerequisites:** YDDH3605 or YDDH3105 **Prohibitions:** YDDH3106 **Assessment:** 2 hour exam (equivalent to 2000 words, 50%), written work (homework and quizzes) (equivalent to 1500 words, 30%) and continuous assessment, participation and preparation (equivalent to 1000 words, 20%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

**Associated degrees:** B A, B A (Adv)(Hons), B A (Adv)(Hons), M B B S, B Int S, Dip Lang Stud, UG Study Abroad Program.

This unit focuses on the developing proficiency of the student. Discussion around current events, historical enquiry and linguistic issues (historical and dialectology) will augment the unit's textual studies. As with other senior Yiddish units, Yiddish 6 consists of: practical language skills including conversation, composition and comprehension (3 hours per week) and readings from modern literature (1 hour per week).

#### Textbooks

Recommended:  
 Weinreich, Uriel, Modern English-Yiddish/Yiddish-English Dictionary. NY:Schocken. Or  
 Harkavy, Alexander, Yiddish-English-Hebrew Dictionary. NY:Schocken, 1988







# Index by alpha-numeric code

This index shows each unit of study sorted by alpha-numeric code, including faculty.

## Faculty abbreviations

Abbreviation	Faculty name
AG	Agriculture, Food and Natural Resources
ARCH	Architecture, Design and Planning
ARTS	Arts
CON	Sydney Conservatorium of Music
DENT	Dentistry
E&B	Economics and Business
EDU	Education and Social Work
ENG	Engineering and Information Technologies
HSCI	Health Sciences
LAW	Sydney Law School
MED	Medicine
NURS	Nursing and Midwifery
PAN	Pan-Faculty
PHAR	Pharmacy
SCA	Sydney College of the Arts
SCI	Science
VETS	Veterinary Science

## A

ACCP3601	Elective Performance Study 1	CON	1	ACCT3031	International Corporate Governance	E&B	5
ACCP3602	Elective Performance Study 2	CON	1	ACCT3032	Current Issues in Management Accounting	E&B	5
ACCP3605	Accompaniment 5	CON	1	ACCT3098	Accounting Honours Preparation A	E&B	5
ACCP3606	Accompaniment 6	CON	1	ACCT3099	Accounting Honours Preparation B	E&B	5
ACCP3611	Recital Preparation 1	CON	1	ACCT3551	Accounting Exchange	E&B	5
ACCP3612	Recital Preparation 2	CON	2	ACCT3552	Accounting Exchange	E&B	6
ACCP3613	Recital Preparation 3	CON	2	ACCT3553	Accounting Exchange	E&B	6
ACCP4607	Accompaniment 7	CON	2	ACCT3554	Accounting Exchange	E&B	6
ACCP4608	Accompaniment 8	CON	2	ACCT4101	Accounting Honours A	E&B	6
ACCP4705	Accompaniment 5 (Advanced)	CON	3	ACCT4102	Accounting Honours B	E&B	6
ACCP4706	Accompaniment 6 (Advanced)	CON	3	ACCT4103	Accounting Honours C	E&B	6
ACCP4707	Accompaniment 7 (Advanced)	CON	3	ACCT4104	Accounting Honours D	E&B	6
ACCP4708	Accompaniment 8 (Advanced)	CON	3	ACCT9001	Accounting Extension	E&B	6
ACCT1001	Accounting IA	E&B	3	ACCT9002	Accounting Extension	E&B	6
ACCT1002	Accounting IB	E&B	3	ACCT9003	Accounting Extension	E&B	6
ACCT1003	Financial Accounting Concepts	E&B	3	ACCT9004	Accounting Extension	E&B	6
ACCT1004	Management Accounting Concepts	E&B	4	AERO1400	Intro to Aircraft Construction & Design	ENG	6
ACCT1551	Accounting Exchange	E&B	4	AERO1560	Introduction to Aerospace Engineering	ENG	7
ACCT2011	Financial Accounting A	E&B	4	AERO2703	Aerospace Technology 1	ENG	7
ACCT2012	Management Accounting A	E&B	4	AERO2705	Space Engineering 1	ENG	7
ACCT2551	Accounting Exchange	E&B	4	AERO2711	Space Engineering Project 1	ENG	7
ACCT2552	Accounting Exchange	E&B	4	AERO3260	Aerodynamics 1	ENG	8
ACCT3011	Financial Accounting B	E&B	4	AERO3261	Propulsion	ENG	8
ACCT3012	Management Accounting B	E&B	4	AERO3360	Aerospace Structures 1	ENG	8
ACCT3013	Financial Statement Analysis	E&B	5	AERO3460	Aerospace Design 1	ENG	8
ACCT3014	Auditing and Assurance	E&B	5	AERO3465	Aerospace Technology 2	ENG	8
				AERO3560	Flight Mechanics 1	ENG	9
				AERO3660	Aerospace Management	ENG	9
				AERO3711	Space Engineering Project 2	ENG	9
				AERO3760	Space Engineering 2	ENG	9
				AERO4206	Rotary Wing Aircraft	ENG	9
				AERO4260	Aerodynamics 2	ENG	10
				AERO4360	Aerospace Structures 2	ENG	10
				AERO4460	Aerospace Design 2	ENG	10
				AERO4491	Advanced Aircraft Design	ENG	10
				AERO4560	Flight Mechanics 2	ENG	11
				AERO4591	Advanced Flight Mechanics	ENG	11
				AERO4701	Space Engineering 3	ENG	11
				AERO4711	Space Engineering Project 3	ENG	11
				AERO4712	Space Engineering Project 4	ENG	12
				AFNR1001	The Rural Environment	AG	12
				AFNR1002	Climate and the Environment	AG	12
				AFNR4001	Professional Experience	AG	12
				AFNR4101	Research Project A	AG	12
				AFNR4102	Research Project B	AG	13
				AGCH2003	Rural Environmental Chemistry	AG	13
				AGCH2004	Agricultural Chemistry	AG	13
				AGCH3025	Chemistry and Biochemistry of Foods	AG	13
				AGCH3026	Food Biotechnology	AG	14



AGCH3032	Land and Water Ecochemistry	AG	14	AHCD1059	Academic Skills Workshop A	HSCI	22
AGCH4007	Instrumentation in Analytical Chemistry	AG	14	AHCD1060	Human Biology Workshop A	HSCI	22
AGCH4021	Agricultural Chemistry Honours A	AG	14	AHCD1061	Aboriginal Studies A	HSCI	22
AGCH4022	Agricultural Chemistry Honours B	AG	14	AHCD1062	Anatomy Workshop A	HSCI	22
AGCH4023	Agricultural Chemistry Honours C	AG	14	AHCD1063	Behavioural Science Workshop A	HSCI	22
AGCH4024	Agricultural Chemistry Honours D	AG	15	AHCD1064	Mathematics Workshop B	HSCI	22
AGEC1006	Economic Environment of Agriculture	AG	15	AHCD1065	Academic Skills Workshop B	HSCI	22
AGEC1101	Agricultural and Resource Systems	AG	15	AHCD1066	Human Biology Workshop B	HSCI	23
AGEC1102	Agricultural Economics 1	AG	15	AHCD1067	Aboriginal Studies B	HSCI	23
AGEC2101	Market and Price Analysis	AG	15	AHCD1068	Anatomy Workshop B	HSCI	23
AGEC2102	Agribusiness Marketing	AG	15	AHCD1069	Behavioural Science Workshop B	HSCI	23
AGEC2103	Production Economics	AG	16	AHCD2008	Biomechanics Support (2)	HSCI	23
AGEC2105	Applied Econometric Modelling	AG	16	AHCD2009	Professional Studies Support (2)	HSCI	23
AGEC3101	Agribusiness Management	AG	16	AHCD2011	Research Methods Support (2B)	HSCI	23
AGEC3102	Agricultural and Resource Policy	AG	16	AHCD3008	Indigenous Community Health Project A	HSCI	23
AGEC3103	Applied Optimisation	AG	17	AHCD3009	Professional Practice III	HSCI	23
AGEC3104	Research Methods	AG	17	AHCD3017	Health Promotion	HSCI	24
AGEC4101	Agricultural Marketing Analysis	AG	17	AHCD4001	Indigenous Community Health Project B	HSCI	24
AGEC4102	Agricultural Development Economics	AG	17	AHCD4002	Professional Practice IV	HSCI	24
AGEC4103	International Agricultural Trade	AG	17	AHCD4014	Current Issues in Health, Law & Medicine	HSCI	24
AGEC4104	Agribusiness Analysis	AG	17	AHCD4018	Action Research	HSCI	24
AGEC4107	Special Topics	AG	18	AHCD4022	Indigenous Community Health Promotion B	HSCI	24
AGEC4108	Quantitative Planning Methods	AG	18	AHCD4032	Health Planning, Policy and Evaluation A	HSCI	24
AGEC4109	Agricultural Finance and Risk	AG	18	AHCD4034	Indigenous Community Health Promotion A	HSCI	24
AGEC4110	Professional Skills	AG	18	AHCD4035	Primary Health Care III	HSCI	25
AGEC4111	Contemporary Issues	AG	18	AHCD4040	Addictions Counselling	HSCI	25
AGEC4112	Research Project A	AG	18	AHCD4042	Wellness	HSCI	25
AGEC4113	Research Project B	AG	18	AHCD4049	Skills for Teaching Health	HSCI	25
AGEC4121	Research Exercises A	AG	18	AHCD4052	Honours Workshop	HSCI	25
AGEC4122	Research Exercises B	AG	19	AHCD4053	Human Rights and Social Justice	HSCI	25
AGEX0001	External Study 1A	AG	19	AMME0011	International Exchange B	ENG	25
AGEX0002	External Study 2	AG	19	AMME0012	International Exchange C	ENG	25
AGEX0011	External Study 1B	AG	19	AMME0013	International Exchange D	ENG	25
AGEX0021	External Study 1C	AG	19	AMME0014	International Exchange E	ENG	26
AGEX0031	External Study 1D	AG	19	AMME0015	International Exchange F	ENG	26
AGRF4000	Professional Experience	AG	19	AMME0016	International Exchange G	ENG	26
AGRO3004	Managing Agro-Ecosystems	AG	19	AMME0017	International Exchange H	ENG	26
AGRO4003	Crop and Pasture Agronomy	AG	19	AMME0018	International Exchange I	ENG	26
AGRO4004	Sustainable Farming Systems	AG	20	AMME1550	Dynamics 1	ENG	26
AGRO4005	Livestock Production Systems	AG	20	AMME2200	Thermodynamics and Fluids	ENG	26
AHCD1006	Study Skills	HSCI	20	AMME2301	Mechanics of Solids	ENG	26
AHCD1009	Anatomy Support (A)	HSCI	20	AMME2302	Materials 1	ENG	27
AHCD1010	Anatomy Support (B)	HSCI	20	AMME2500	Engineering Dynamics	ENG	27
AHCD1011	Biological Sciences Orientation	HSCI	20	AMME3110	Project A	ENG	27
AHCD1012	Biological Sciences Support (A)	HSCI	20	AMME3500	System Dynamics and Control	ENG	27
AHCD1013	Biological Sciences Support (B)	HSCI	21	AMME4010	Major Industrial Project	ENG	27
AHCD1014	Physics Support	HSCI	21	AMME4100	Practical Experience	ENG	28
AHCD1015	Research Methods Support (1)	HSCI	21	AMME4103	Interdisciplinary Thesis A	ENG	28
AHCD1016	Professional Studies Support (1A)	HSCI	21	AMME4104	Interdisciplinary Thesis B	ENG	28
AHCD1017	Professional Studies Support (1B)	HSCI	21	AMME4110	Project B	ENG	28
AHCD1018	Biomechanics Support (1)	HSCI	21	AMME4111	Honours Thesis A	ENG	28
AHCD1019	Neurobiology Support	HSCI	21	AMME4112	Honours Thesis B	ENG	29
AHCD1020	Behavioural Sciences Support (A)	HSCI	21	AMME4121	Engineering Project A	ENG	29
AHCD1021	Behavioural Sciences Support (B)	HSCI	21	AMME4122	Engineering Project B	ENG	29
AHCD1057	Biological Sciences Support	HSCI	21	AMME4210	Computational Fluid Dynamics	ENG	30
AHCD1058	Maths Workshop A	HSCI	22	AMME4241	Renewable Energy	ENG	30

AMME4500	Guidance and Control	ENG	30	ANSC3101	Animal Nutrition 3	VETS	37
AMME4660	Management, Employees and Industrial Rel	ENG	30	ANSC3102	Animal Reproduction	VETS	37
AMME4700	Inertial Navigation & the Kalman Filter	ENG	30	ANSC3103	Animal Structure and Function A	VETS	37
AMME4710	Computer Vision and Image Processing	ENG	31	ANSC3104	Animal Structure and Function B	VETS	38
AMME4790	Introduction to Biomechatronics	ENG	31	ANSC3105	Animal Biotechnology	VETS	38
AMME4971	Tissue Engineering	ENG	31	ANSC3106	Animal Behaviour and Welfare Science 3	VETS	38
AMME4981	Applied Biomedical Engineering	ENG	31	ANSC3107	Animal Genetics 3	VETS	39
AMME4990	Biomedical Product Development	ENG	31	ANTH1001	Cultural Difference: An Introduction	ARTS	39
AMST2601	American Foundations	ARTS	31	ANTH1002	Anthropology and the Global	ARTS	39
AMST2801	American Studies Exchange	ARTS	32	ANTH1801	Social Anthropology Exchange	ARTS	39
AMST2802	American Studies Exchange	ARTS	32	ANTH1802	Social Anthropology Exchange	ARTS	39
AMST2803	American Studies Exchange	ARTS	32	ANTH2601	The Ethnography of Southeast Asia	ARTS	39
AMST2804	American Studies Exchange	ARTS	32	ANTH2621	Initiation Rituals	ARTS	39
AMST2805	American Studies Exchange	ARTS	32	ANTH2625	Culture and Development	ARTS	40
AMST2806	American Studies Exchange	ARTS	32	ANTH2626	The City: Global Flows and Local Forms	ARTS	40
ANAT2008	Principles of Histology	MED	32	ANTH2627	Medical Anthropology	ARTS	40
ANAT2009	Comparative Primate Anatomy	MED	32	ANTH2629	Race and Ethnic Relations	ARTS	40
ANAT2010	Concepts of Neuroanatomy	MED	32	ANTH2630	Indigenous Australians and Modernity	ARTS	40
ANAT2551	Anatomy and Histology Exchange	MED	32	ANTH2655	The Social Production of Space	ARTS	40
ANAT2552	Anatomy and Histology Exchange	MED	33	ANTH2664	Cosmology and Power in South Asia	ARTS	40
ANAT2553	Anatomy and Histology Exchange	MED	33	ANTH2665	South Asian Popular Culture	ARTS	40
ANAT2554	Anatomy and Histology Exchange	MED	33	ANTH2804	Social Anthropology Exchange	ARTS	41
ANAT2555	Anatomy and Histology Exchange	MED	33	ANTH2805	Social Anthropology Exchange	ARTS	41
ANAT3004	Cranial and Cervical Anatomy	MED	33	ANTH2806	Social Anthropology Exchange	ARTS	41
ANAT3006	Forensic Osteology	MED	33	ANTH2810	Social Anthropology Exchange	ARTS	41
ANAT3007	Visceral Anatomy	MED	33	ANTH2811	Social Anthropology Exchange	ARTS	41
ANAT3008	Musculoskeletal Anatomy	MED	34	ANTH3601	Contemporary Theory and Anthropology	ARTS	41
ANAT3551	Anatomy and Histology Exchange	MED	34	ANTH3602	Reading Ethnography	ARTS	41
ANAT3552	Anatomy and Histology Exchange	MED	34	ANTH4011	Social Anthropology Honours A	ARTS	41
ANAT3553	Anatomy and Histology Exchange	MED	34	ANTH4012	Social Anthropology Honours B	ARTS	41
ANAT3554	Anatomy and Histology Exchange	MED	34	ANTH4013	Social Anthropology Honours C	ARTS	41
ANAT3904	Cranial & Cervical Anatomy (Advanced)	MED	34	ANTH4014	Social Anthropology Honours D	ARTS	41
ANAT4011	Anatomy Honours A	MED	34	ARBC1611	Arabic Introductory 1B	ARTS	42
ANAT4012	Anatomy Honours B	MED	34	ARBC1612	Arabic Introductory 2B	ARTS	42
ANAT4013	Anatomy Honours C	MED	34	ARBC2613	Arabic Language and Literature 3B	ARTS	42
ANAT4014	Anatomy Honours D	MED	35	ARBC2614	Arabic Language and Literature 4B	ARTS	42
ANHS1600	Foundations for Ancient Greece	ARTS	35	ARBC2633	Arabic Advanced Language & Literature 3A	ARTS	42
ANHS1601	Foundations for Ancient Rome	ARTS	35	ARBC2634	Arabic Advanced Language & Literature 4A	ARTS	42
ANHS1602	Greek and Roman Myth	ARTS	35	ARBC2811	Arabic Exchange	ARTS	43
ANHS1801	Ancient History Exchange	ARTS	35	ARBC2812	Arabic Exchange	ARTS	43
ANHS2601	Ancient Imperialism	ARTS	35	ARBC2813	Arabic Exchange	ARTS	43
ANHS2605	Ancient Greek Religion	ARTS	35	ARBC2814	Arabic Exchange	ARTS	43
ANHS2611	Greek and Roman Magic	ARTS	35	ARBC3615	Arabic Language and Literature 5B	ARTS	43
ANHS2612	Historiography Ancient and Modern	ARTS	36	ARBC3616	Arabic Language and Literature 6B	ARTS	43
ANHS2804	Ancient History Exchange	ARTS	36	ARBC3635	Arabic Advanced Translation & Writing 5A	ARTS	43
ANHS2805	Ancient History Exchange	ARTS	36	ARBC3636	Arabic Advanced for Media Studies 6A	ARTS	43
ANHS2806	Ancient History Exchange	ARTS	36	ARBC3637	Arabic Advanced Translation & Writing 7A	ARTS	43
ANHS2810	Ancient History Exchange	ARTS	36	ARBC3638	Arabic Advanced for Media Studies 8A	ARTS	44
ANHS2811	Ancient History Exchange	ARTS	36	ARCA1001	Ancient Civilisations	ARTS	44
ANHS3610	Research Issues in Ancient Greek Studies	ARTS	36	ARCA1002	Archaeology: An Introduction	ARTS	44
ANHS3611	Research Issues in Roman Studies	ARTS	36	ARCA2601	Laboratory Methods	ARTS	44
ANHS4011	Ancient History Honours A	ARTS	36	ARCA2606	Maps, Time and Visualisation	ARTS	44
ANHS4012	Ancient History Honours B	ARTS	36	ARCA2608	Near Eastern Ancient Civilisations	ARTS	44
ANHS4013	Ancient History Honours C	ARTS	36	ARCA2610	Minoans and Mycenaens	ARTS	44
ANHS4014	Ancient History Honours D	ARTS	37	ARCA2612	A Greek Odyssey: The First Millennium BC	ARTS	45
ANSC2004	Animal Conservation Biology	VETS	37	ARCA2614	Contact and Exchange in South Italy	ARTS	45

ARCA2801	Archaeology Exchange	ARTS	45	ARIN2600	Technocultures	ARTS	53
ARCA2802	Archaeology Exchange	ARTS	45	ARIN2610	Web Production	ARTS	53
ARCA2803	Archaeology Exchange	ARTS	45	ARIN2620	Cyberworlds	ARTS	53
ARCA2804	Archaeology Exchange	ARTS	45	ARIN2630	Digital Arts	ARTS	53
ARCA2805	Archaeology Exchange	ARTS	45	ARIN2801	Digital Cultures Exchange	ARTS	54
ARCA2806	Archaeology Exchange	ARTS	45	ARIN2802	Digital Cultures Exchange	ARTS	54
ARCA2807	Archaeology Exchange	ARTS	45	ARIN2803	Digital Cultures Exchange	ARTS	54
ARCA2808	Archaeology Exchange	ARTS	45	ARIN2804	Digital Cultures Exchange	ARTS	54
ARCA3600	Archaeological Research Principles	ARTS	45	ARIN2805	Digital Cultures Exchange	ARTS	54
ARCA3602	Greece and the East	ARTS	45	ARIN2806	Digital Cultures Exchange	ARTS	54
ARCH4003	Dissertation and Research Methods A	ARCH	46	ARIN2807	Digital Cultures Exchange	ARTS	54
ARCH4004	Dissertation and Research Methods B	ARCH	46	ARIN2808	Digital Cultures Exchange	ARTS	54
ARCH4005	Dissertation and Research Methods C	ARCH	46	ARIN3620	Researching Digital Cultures	ARTS	54
ARCH4006	Dissertation and Research Methods D	ARCH	46	ARIN3640	Computer Games and Simulation	ARTS	55
ARCH5101	Architectural Design Studio C	ARCH	46	ARIN3650	Digital Cultures Project 1	ARTS	55
ARCH5201	Architectural Design Studio D	ARCH	46	ARIN3660	Digital Cultures Project 2	ARTS	55
ARCH5202	Design Technology 2	ARCH	47	ARIN3670	Digital Cultures Internship	ARTS	55
ARCH6104	Theory in Architecture	ARCH	47	ARIN3680	Digital Cultures Internship Project	ARTS	55
ARCH6201	Management in Architecture	ARCH	47	ARIN4011	Digital Cultures Honours A	ARTS	55
ARCL1801	Archaeology (Classical) Exchange	ARTS	47	ARIN4012	Digital Cultures Honours B	ARTS	56
ARCL2804	Archaeology (Classical) Exchange	ARTS	47	ARIN4013	Digital Cultures Honours C	ARTS	56
ARCL2805	Archaeology (Classical) Exchange	ARTS	47	ARIN4014	Digital Cultures Honours D	ARTS	56
ARCL2806	Archaeology (Classical) Exchange	ARTS	48	ARIS1671	Arabs, Islam & Middle East: Introduction	ARTS	56
ARCL2810	Archaeology (Classical) Exchange	ARTS	48	ARIS1672	Arab-Islamic Civilisation: Introduction	ARTS	56
ARCL2811	Archaeology (Classical) Exchange	ARTS	48	ARIS2673	Islam and Muslims in World History	ARTS	56
ARCL4011	Archaeology (Classical) Honours A	ARTS	48	ARIS2674	Islam and Politics: Modernity Challenges	ARTS	56
ARCL4012	Archaeology (Classical) Honours B	ARTS	48	ARIS2801	Arab World Islam & Middle East Exchange	ARTS	56
ARCL4013	Archaeology (Classical) Honours C	ARTS	48	ARIS2802	Arab World Islam & Middle East Exchange	ARTS	57
ARCL4014	Archaeology (Classical) Honours D	ARTS	48	ARIS2803	Arab World Islam & Middle East Exchange	ARTS	57
ARHT1001	Art and Experience	ARTS	48	ARIS2804	Arab World Islam & Middle East Exchange	ARTS	57
ARHT1002	Modern Times: Art and Film	ARTS	48	ARIS2805	Arab World Islam & Middle East Exchange	ARTS	57
ARHT1801	Art History and Theory Exchange	ARTS	48	ARIS2806	Arab World Islam & Middle East Exchange	ARTS	57
ARHT2610	Art and Society in Trecento Italy	ARTS	49	ARIS3680	Approaches to Arabic and Islamic Studies	ARTS	57
ARHT2611	Art and Experience in Renaissance Italy	ARTS	49	ARIS4011	Arabic and Islamic Studies Honours A	ARTS	57
ARHT2612	17th Century Art: Royalty and Riches	ARTS	49	ARIS4012	Arabic and Islamic Studies Honours B	ARTS	57
ARHT2613	The Art of France	ARTS	49	ARIS4013	Arabic and Islamic Studies Honours C	ARTS	57
ARHT2624	Contemporary International Art	ARTS	49	ARIS4014	Arabic and Islamic Studies Honours D	ARTS	57
ARHT2632	Modern Australian Art and Cinema	ARTS	49	ARNE1801	Archaeology (Near Eastern) Exchange	ARTS	58
ARHT2636	Contemporary Indigenous Australian Art	ARTS	50	ARNE2603	Introduction to the Archaeology of Iran	ARTS	58
ARHT2640	Modern and Contemporary Asian Art	ARTS	50	ARNE2606	The Archaeology of Central Asia	ARTS	58
ARHT2641	Art and Archaeology of South East Asia	ARTS	50	ARNE2691	Material Culture	ARTS	58
ARHT2652	From Silent to Sound Cinema	ARTS	50	ARNE2804	Archaeology (Near Eastern) Exchange	ARTS	58
ARHT2655	Modern Cinema: Modes of Viewing	ARTS	50	ARNE2805	Archaeology (Near Eastern) Exchange	ARTS	58
ARHT2656	National and Transnational Cinemas	ARTS	51	ARNE2806	Archaeology (Near Eastern) Exchange	ARTS	58
ARHT2810	Art History and Theory Exchange	ARTS	51	ARNE2810	Archaeology (Near Eastern) Exchange	ARTS	58
ARHT2811	Art History and Theory Exchange	ARTS	51	ARNE2811	Archaeology (Near Eastern) Exchange	ARTS	58
ARHT2812	Art History and Theory Exchange	ARTS	51	ARNE4011	Archaeology (Near Eastern) Honours A	ARTS	58
ARHT2813	Art History and Theory Exchange	ARTS	51	ARNE4012	Archaeology (Near Eastern) Honours B	ARTS	58
ARHT2814	Art History and Theory Exchange	ARTS	51	ARNE4013	Archaeology (Near Eastern) Honours C	ARTS	59
ARHT2815	Art History and Theory Exchange	ARTS	51	ARNE4014	Archaeology (Near Eastern) Honours D	ARTS	59
ARHT2816	Art History and Theory Exchange	ARTS	51	ARPH1801	Archaeology (Prehistoric & Historic) Exchange	ARTS	59
ARHT2817	Art History and Theory Exchange	ARTS	51	ARPH2602	Scientific Analysis of Materials	ARTS	59
ARHT4011	Art History and Theory Honours A	ARTS	52	ARPH2603	The Archaeology of Society	ARTS	59
ARHT4012	Art History and Theory Honours B	ARTS	53	ARPH2612	Historical Archaeology	ARTS	59
ARHT4013	Art History and Theory Honours C	ARTS	53	ARPH2616	Public Archaeology	ARTS	59
ARHT4014	Art History and Theory Honours D	ARTS	53				

ARPH2804	Archaeology (Prehistoric & Historic) Exchange	ARTS	59	ASSN3001	Advanced Clinical Nursing Assessment	NURS	66
ARPH2805	Archaeology (Prehistoric & Historic) Exchange	ARTS	59	ASSN3002	Health Illness & Care: Int'l Perspective	NURS	66
ARPH2806	Archaeology (Prehistoric & Historic) Exchange	ARTS	59	ASSN3003	Clinical and Patient Education	NURS	67
ARPH4011	Archaeology (Prehist/Historical) Hons A	ARTS	59	ASSN3004	Minor Thesis/Practice Project	NURS	67
ARPH4012	Archaeology (Prehist/Historical) Hons B	ARTS	60	ASSN3005	Nursing Management & Clinical Governance	NURS	67
ARPH4013	Archaeology (Prehist/Historical) Hons C	ARTS	60	ASSN3006	Current Issues in Nursing	NURS	67
ARPH4014	Archaeology (Prehist/Historical) Hons D	ARTS	60	ASSN3007	Inquiry and Research in Nursing	NURS	67
ARTS2600	Internship 1	ARTS	60	ASSN3009	Nursing, Knowledge and Practice	NURS	67
ARTS2801	Arts Exchange	ARTS	60	ASTR2601	Australia: Land and Nation	ARTS	67
ARTS2802	Arts Exchange	ARTS	60	AVBS1002	Concepts of Animal Management	VETS	68
ARTS2803	Arts Exchange	ARTS	60	AVBS2001	Introductory Veterinary Pathogenesis	VETS	68
ARTS2804	Arts Exchange	ARTS	60	AVBS3000	Professional Development	VETS	68
ASLT2601	Australian Literature 1920-1960	ARTS	60	AVBS3501	Animal-Veterinary Bioscience Exchange 1	VETS	68
ASLT2602	Australian Literature 1960-1988	ARTS	60	AVBS3502	Animal-Veterinary Bioscience Exchange 2	VETS	68
ASLT2605	Reorientations in Australian Literature	ARTS	61	AVBS3503	Animal-Veterinary Bioscience Exchange 3	VETS	68
ASLT2619	Australian Gothic	ARTS	61	AVBS3504	Animal-Veterinary Bioscience Exchange 4	VETS	68
ASLT3601	Australian Literature Research Methods	ARTS	61	AVBS3505	Animal-Veterinary Bioscience Exchange 5	VETS	68
ASLT3602	Australian Literature Research Issues	ARTS	61	AVBS3506	Animal-Veterinary Bioscience Exchange 6	VETS	68
ASLT4011	Australian Literature Honours A	ARTS	61	AVBS3507	Animal-Veterinary Bioscience Exchange 7	VETS	69
ASLT4012	Australian Literature Honours B	ARTS	62	AVBS3508	Animal-Veterinary Bioscience Exchange 8	VETS	69
ASLT4013	Australian Literature Honours C	ARTS	62	AVBS4001	Animal Health and Disease	VETS	69
ASLT4014	Australian Literature Honours D	ARTS	62	AVBS4002	Dairy Production and Technology	VETS	69
ASNS1101	Introduction to Chinese Civilisation	ARTS	62	AVBS4003	Wildlife and Evolutionary Genetics	VETS	69
ASNS1601	Asian Traditions: Past in the Present	ARTS	62	AVBS4004	Food Safety Assessment and Management	VETS	70
ASNS1602	Modernity in Asia	ARTS	62	AVBS4005	Feed Technology	VETS	70
ASNS1801	Asian Studies Exchange	ARTS	63	AVBS4008	Intensive Animal Industries	VETS	70
ASNS2612	Chinese Religions in Modernity	ARTS	63	AVBS4009	Aquaculture	VETS	70
ASNS2621	Buddhist Philosophy	ARTS	63	AVBS4012	Extensive Animal Industries	VETS	71
ASNS2623	India: Tradition and Modernity	ARTS	63	AVBS4013	Research Project B1	VETS	71
ASNS2625	Buddhism in Modern Asia	ARTS	63	AVBS4014	Research Project B2	VETS	71
ASNS2632	Modern Japanese Social History	ARTS	63	AVBS4015	Research Project A1	VETS	71
ASNS2634	Samurai and Merchants: Tokugawa Japan	ARTS	63	AVBS4016	Research Project A2	VETS	72
ASNS2642	Modern Korea	ARTS	64	AVBS4017	Research Project A3	VETS	72
ASNS2651	Asian Studies Exchange	ARTS	64	AVBS4018	Research Project A4	VETS	72
ASNS2652	Asian Studies Exchange	ARTS	64	AWSS1001	Architectural Sketching and Drawing	ARCH	72
ASNS2653	Asian Studies Exchange	ARTS	64	AWSS1003	Art Practice	ARCH	72
ASNS2654	Asian Studies Exchange	ARTS	64	AWSS2001	Public Art	ARCH	72
ASNS2655	Asian Studies Exchange	ARTS	64	AWSS2002	Site Specific Art	ARCH	72
ASNS2656	Asian Studies Exchange	ARTS	64	AWSS2010	Ceramics (Handbuilding)	ARCH	73
ASNS2661	History of Modern Indonesia	ARTS	64	AWSS2011	Ceramics (Wheel Throwing)	ARCH	73
ASNS2662	Southeast Asian Dictators & Democracies	ARTS	64	AWSS2013	Digital Video	ARCH	73
ASNS2663	Social Activism in Southeast Asia	ARTS	64	AWSS2014	Printmaking	ARCH	73
ASNS2664	Southeast Asia Transformed	ARTS	65	AWSS2015	General Drawing	ARCH	73
ASNS2670	Mass Media in East Asia	ARTS	65	AWSS2016	Graphic Design (Introduction)	ARCH	73
ASNS2672	Japan in East Asia from 1840 until Today	ARTS	65	AWSS2018	Life Drawing	ARCH	74
ASNS2676	Gender in Modern Asia	ARTS	65	AWSS2019	Mixed Media	ARCH	74
ASNS3617	Citizens and Politics in China Today	ARTS	65	AWSS2020	Object Design	ARCH	74
ASNS3618	Popular China	ARTS	65	AWSS2022	Painting	ARCH	74
ASNS3619	China and Globalisation	ARTS	65	AWSS2023	Photography 1	ARCH	75
ASNS3690	Approaches to Research in Asian Studies	ARTS	66	AWSS2024	Photography 2	ARCH	75
ASNS4011	Asian Studies Honours A	ARTS	66	AWSS2026	Screen Printing on Paper	ARCH	75
ASNS4012	Asian Studies Honours B	ARTS	66	AWSS2027	Sculpture	ARCH	75
ASNS4013	Asian Studies Honours C	ARTS	66	AWSS2028	Web Art and Design	ARCH	75
ASNS4014	Asian Studies Honours D	ARTS	66				

<b>B</b>				BACH4083	Research Project: Interpretation	HSCI	84
BACH1031	Clients, Practitioners and Organisations	HSCI	77	BACH4084	Special Investigation	HSCI	85
BACH1130	Social Determinants of Health	HSCI	77	BBCL1001	Biblical Studies 1	ARTS	85
BACH1132	Foundations of Health Psychology	HSCI	77	BBCL1002	Biblical Studies 2	ARTS	85
BACH1134	Health, Illness and Social Inquiry	HSCI	77	BBCL2605	Literature of Second Temple Judaism	ARTS	85
BACH1143	Designing Health Research	HSCI	77	BBCL2606	Jewish Apocalyptic Literature	ARTS	85
BACH1145	Quantitative Health and Social Research	HSCI	77	BBCL4011	Biblical Studies Honours A	ARTS	85
BACH1147	Qualitative Health and Social Research	HSCI	78	BBCL4012	Biblical Studies Honours B	ARTS	85
BACH1148	Health, Attitudes and Interaction	HSCI	78	BBCL4013	Biblical Studies Honours C	ARTS	85
BACH1161	Introductory Behavioural Health Sciences	HSCI	78	BBCL4014	Biblical Studies Honours D	ARTS	85
BACH1165	Psychology and Cognitive Factors (Intro)	HSCI	78	BCHM2071	Protein Biochemistry	SCI	86
BACH2109	Cognitive Neuropsychology I	HSCI	78	BCHM2072	Human Biochemistry	SCI	86
BACH2126	Maladaptive Behaviours/Behaviour Change	HSCI	79	BCHM2553	Biochemistry Exchange	SCI	86
BACH2127	Health Policy and Service Delivery	HSCI	79	BCHM2554	Biochemistry Exchange	SCI	86
BACH2128	Cognition and Cognitive Impairment	HSCI	79	BCHM2555	Biochemistry Exchange	SCI	86
BACH2137	Health Policy Development	HSCI	79	BCHM2556	Biochemistry Exchange	SCI	86
BACH2140	Research Methods for Health Sciences	HSCI	79	BCHM2971	Protein Biochemistry (Advanced)	SCI	86
BACH2142	Cognitive Neuropsychology	HSCI	79	BCHM2972	Human Biochemistry (Advanced)	SCI	87
BACH2143	Counselling & Behaviour Management for CD	HSCI	79	BCHM3071	Molecular Biology & Biochemistry- Genes	SCI	87
BACH2144	Behaviour, Management and Health	HSCI	80	BCHM3072	Human Molecular Cell Biology	SCI	87
BACH3055	Cognitive Neuropsychology II	HSCI	80	BCHM3081	Mol Biology & Biochemistry- Proteins	SCI	87
BACH3056	Patient Management Theories/Applications	HSCI	80	BCHM3082	Medical and Metabolic Biochemistry	SCI	88
BACH3075	Health Psychology	HSCI	80	BCHM3092	Proteomics and Functional Genomics	SCI	88
BACH3077	Workplace Attachment	HSCI	80	BCHM3551	Biochemistry Exchange	SCI	88
BACH3081	Sociology of Sport	HSCI	80	BCHM3552	Biochemistry Exchange	SCI	88
BACH3082	Sociology of the Aged and Ageing	HSCI	80	BCHM3553	Biochemistry Exchange	SCI	88
BACH3095	Ageing Society and Professional Practice	HSCI	81	BCHM3554	Biochemistry Exchange	SCI	89
BACH3096	Older People in the Community	HSCI	81	BCHM3555	Biochemistry Exchange	SCI	89
BACH3115	Behaviour Disorders and Management	HSCI	81	BCHM3556	Biochemistry Exchange	SCI	89
BACH3120	Self, Society and Mental Health	HSCI	81	BCHM3971	Molecular Biology & Biochem- Genes (Adv)	SCI	89
BACH3122	Psychosocial Aspects of Ageing	HSCI	81	BCHM3972	Human Molecular Cell Biology (Advanced)	SCI	89
BACH3126	Research Project Development	HSCI	81	BCHM3981	Mol Biology & Biochemistry- Proteins Adv	SCI	89
BACH3127	History & Philosophy of Science	HSCI	81	BCHM3982	Medical and Metabolic Biochemistry (Adv)	SCI	90
BACH3128	Health and Globalisation	HSCI	82	BCHM3992	Proteomics and Functional Genomics (Adv)	SCI	90
BACH3130	Sport, Society & Social Theory	HSCI	82	BCHM4011	Biochemistry Honours A	SCI	90
BACH3132	Contemporary Issues in Health & Medicine	HSCI	82	BCHM4012	Biochemistry Honours B	SCI	90
BACH3133	Health Planning, Policy and Evaluation	HSCI	82	BCHM4013	Biochemistry Honours C	SCI	90
BACH3143	Counselling Skills	HSCI	82	BCHM4014	Biochemistry Honours D	SCI	91
BACH3145	Health Policy	HSCI	82	BHSC3013	Fieldwork Practicum	HSCI	91
BACH3146	Cyberpsychology and e-Health	HSCI	82	BHSC3014	Honours Research Proposal	HSCI	91
BACH4017	Epidemiological Research	HSCI	83	BHSC4001	Honours Research Seminar 1	HSCI	91
BACH4019	History and Philosophy of Science	HSCI	83	BHSC4002	Honours Research Seminar 2	HSCI	91
BACH4043	Intermediate Statistics	HSCI	83	BHSC4003	Honours Thesis/Research Report A	HSCI	91
BACH4045	Qualitative Research Methods	HSCI	83	BHSC4004	Honours Thesis/Research Report B	HSCI	91
BACH4046	Survey Research Methods	HSCI	83	BINF3101	Bioinformatics Project	SCI	91
BACH4047	Developing a Research Project	HSCI	83	BINF3551	Bioinformatics Exchange	SCI	92
BACH4055	Intermediate Statistics	HSCI	83	BIOL1001	Concepts in Biology	SCI	92
BACH4056	Qualitative Research Methods	HSCI	84	BIOL1002	Living Systems	SCI	92
BACH4057	Survey Research Methods	HSCI	84	BIOL1003	Human Biology	SCI	92
BACH4066	Health and Cultural Pluralism	HSCI	84	BIOL1551	Biology Exchange	SCI	92
BACH4071	Evidence Based Health Care Research	HSCI	84	BIOL1552	Biology Exchange	SCI	92
BACH4073	Metabolic Epidemiology	HSCI	84	BIOL1902	Living Systems (Advanced)	SCI	93
BACH4078	Research Project 1	HSCI	84	BIOL1903	Human Biology (Advanced)	SCI	93
BACH4079	Research Project 2	HSCI	84	BIOL1911	Concepts in Biology (Advanced)	SCI	93
BACH4080	Research Thesis Support	HSCI	84	BIOL2011	Invertebrate Zoology	SCI	93
BACH4082	Research Project: Data Collection	HSCI	84	BIOL2012	Vertebrates and their Origins	SCI	93

BIOL2016	Cell Biology	SCI	93	BIOM4005	Biometrical Methods	AG	103
BIOL2017	Entomology	SCI	94	BIOS1126	Human Biology and Biochemistry	MED	103
BIOL2018	Introduction to Marine Biology	SCI	94	BIOS1127	Body Systems I	MED	103
BIOL2554	Biology Exchange	SCI	94	BIOS1130	Molecules and Energy	MED	103
BIOL2555	Biology Exchange	SCI	94	BIOS1132	Neuroscience I	MED	104
BIOL2556	Biology Exchange	SCI	94	BIOS1133	Body Systems: Structure and Function I	MED	104
BIOL2557	Biology Exchange	SCI	94	BIOS1136	Functional Anatomy A	MED	104
BIOL2911	Invertebrate Zoology (Advanced)	SCI	94	BIOS1137	Introductory Neuroscience	MED	104
BIOL2912	Vertebrates and their Origins (Advanced)	SCI	95	BIOS1139	Functional Anatomy B	MED	104
BIOL2916	Cell Biology (Advanced)	SCI	95	BIOS1141	Neuroscience II	MED	104
BIOL2917	Entomology (Advanced)	SCI	95	BIOS1144	Functional Anatomy B (Physiotherapy)	MED	105
BIOL2918	Introduction to Marine Biology (Adv)	SCI	95	BIOS1155	Structure, Function and Disease A	MED	105
BIOL3006	Ecological Methods	SCI	95	BIOS1156	Human Biology and Radiobiology	MED	105
BIOL3007	Ecology	SCI	96	BIOS1157	Introductory Health Physics	MED	105
BIOL3008	Marine Field Ecology	SCI	96	BIOS1158	Structure, Function and Disease B	MED	105
BIOL3009	Terrestrial Field Ecology	SCI	96	BIOS1159	Functional Anatomy A - Exercise Science	MED	106
BIOL3010	Tropical Wildlife Biology and Management	SCI	96	BIOS1160	Functional Anatomy B - Exercise Science	MED	106
BIOL3011	Ecophysiology	SCI	96	BIOS1161	Biochemistry and Human Biology	MED	106
BIOL3012	Animal Physiology	SCI	97	BIOS1163	Speech Science	MED	106
BIOL3013	Marine Biology	SCI	97	BIOS1165	Hearing Science and Audiology	MED	106
BIOL3017	Fungi in the Environment	SCI	97	BIOS1166	Neuroscience I: Communication Disorders	MED	106
BIOL3018	Applications of Recombinant DNA Tech	SCI	97	BIOS1167	Human Cell Biology	MED	106
BIOL3025	Evolutionary Genetics & Animal Behaviour	SCI	97	BIOS1168	Functional Musculoskeletal Anatomy A	MED	107
BIOL3026	Developmental Genetics	SCI	98	BIOS1169	Functional Musculoskeletal Anatomy B	MED	107
BIOL3027	Bioinformatics and Genomics	SCI	98	BIOS1170	Body Systems: Structure and Function	MED	107
BIOL3551	Biology Exchange	SCI	98	BIOS1171	Neuroscience	MED	107
BIOL3552	Biology Exchange	SCI	98	BIOS1172	Biological Aspects of Ageing	MED	107
BIOL3553	Biology Exchange	SCI	98	BIOS1173	Disease in Ageing	MED	108
BIOL3554	Biology Exchange	SCI	98	BIOS2062	Neuroscience II: Communication Disorders	MED	108
BIOL3555	Biology Exchange	SCI	98	BIOS2098	Body Systems: Structure & Function II	MED	108
BIOL3556	Biology Exchange	SCI	98	BIOS2099	Body Systems II and Pharmacology	MED	108
BIOL3557	Biology Exchange	SCI	99	BIOS2103	Neurosciences for Physiotherapists	MED	108
BIOL3906	Ecological Methods (Advanced)	SCI	99	BIOS2111	Introductory Toxicology	MED	108
BIOL3907	Ecology (Advanced)	SCI	99	BIOS3042	Biological Sciences IIIA	MED	108
BIOL3908	Marine Field Ecology (Advanced)	SCI	99	BIOS3043	Biological Sciences IIIB	MED	108
BIOL3909	Terrestrial Field Ecology (Advanced)	SCI	99	BIOS3054	Contemporary Issues in Biomed Sciences	MED	109
BIOL3910	Tropical Wildlife Biol & Management Adv	SCI	99	BIOS3061	Embryology & Genetics	MED	109
BIOL3911	Ecophysiology (Advanced)	SCI	100	BIOS3062	Ocular Motor Systems	MED	109
BIOL3912	Animal Physiology (Advanced)	SCI	100	BIOS3063	Project Design and Management	MED	109
BIOL3913	Marine Biology (Advanced)	SCI	100	BIOS3065	Anatomical Analysis of Exercise	MED	109
BIOL3917	Fungi in the Environment (Advanced)	SCI	100	BIOS3066	Current Issues in Healthcare	MED	109
BIOL3918	Applications of Recombinant DNA Tech Adv	SCI	100	BIOS3068	Environmental Toxicology	MED	109
BIOL3925	Evolutionary Gen. & Animal Behaviour Adv	SCI	100	BIOS4035	Sexuality for Health Professionals	HSCI	110
BIOL3926	Developmental Genetics (Advanced)	SCI	100	BMED2551	Medical Science Exchange	MED	110
BIOL3927	Bioinformatics and Genomics (Advanced)	SCI	101	BMED2552	Medical Science Exchange	MED	110
BIOL4012	Biology Honours B	SCI	101	BMED2553	Medical Science Exchange	MED	110
BIOL4013	Biology Honours C	SCI	101	BMED2554	Medical Science Exchange	MED	110
BIOL4014	Biology Honours D	SCI	101	BMED2555	Medical Science Exchange	MED	110
BIOL4015	Scientific Research in Biology	SCI	101	BMED2556	Medical Science Exchange	MED	110
BIOL4016	Biology Honours A	SCI	101	BMED2801	Cell Structure and Function	MED	110
BIOM2001	Biometry 2	AG	101	BMED2802	Molecular Basis of Medical Sciences	MED	111
BIOM3004	Biometry 3	AG	102	BMED2803	Cardiac, Respiratory and Renal Function	MED	111
BIOM3005	Environmetrics 3	AG	102	BMED2804	Digestion, Absorption and Metabolism	SCI	111
BIOM3006	Statistics for the Natural Sciences	AG	102	BMED2805	Hormones, Reproduction and Development	MED	111
BIOM4003	Matrix Algebra and Linear Models	AG	102	BMED2806	Sensory and Motor Functions	MED	112
BIOM4004	Applied Multivariate Analysis	AG	103	BMED2807	Microbes and Body Defences	SCI	112

BMED2808	Disease in Society	MED	112	BRSS4627	Trumpet 7	CON	118
BRSS1007	Trumpet 2 (Major)	CON	112	BRSS4628	Trumpet 8	CON	118
BRSS1601	French Horn 1	CON	112	BRSS4637	Tuba 7	CON	118
BRSS1602	French Horn 2	CON	113	BRSS4638	Tuba 8	CON	118
BRSS1611	Trombone 1	CON	113	BRSS4707	French Horn 7 (Advanced)	CON	119
BRSS1612	Trombone 2	CON	113	BRSS4708	French Horn 8 (Advanced)	CON	119
BRSS1621	Trumpet 1	CON	113	BRSS4717	Trombone 7 (Advanced)	CON	119
BRSS1622	Trumpet 2	CON	113	BRSS4718	Trombone 8 (Advanced)	CON	119
BRSS1631	Tuba 1	CON	113	BRSS4727	Trumpet 7 (Advanced)	CON	119
BRSS1632	Tuba 2	CON	113	BRSS4728	Trumpet 8 (Advanced)	CON	119
BRSS2008	Trumpet 3 (Major)	CON	113	BRSS4737	Tuba 7 (Advanced)	CON	119
BRSS2009	Trumpet 4 (Major)	CON	113	BRSS4738	Tuba 8 (Advanced)	CON	119
BRSS2010	Tuba 3 (Major)	CON	113				
BRSS2011	Tuba 4 (Major)	CON	114				
BRSS2603	French Horn 3	CON	114	<b>C</b>			
BRSS2604	French Horn 4	CON	114	CAEL2003	Warm Glass Elective Introductory	SCA	121
BRSS2613	Trombone 3	CON	114	CAEL2004	Warm Glass Elective Intermediate	SCA	121
BRSS2614	Trombone 4	CON	114	CAEL2005	Glass Flame Working Elective Intro	SCA	121
BRSS2623	Trumpet 3	CON	114	CAEL2006	Glass Flame Working Elective Inter	SCA	121
BRSS2624	Trumpet 4	CON	114	CAEL2007	Glass Casting Elective Introductory	SCA	121
BRSS2633	Tuba 3	CON	114	CAEL2008	Glass Casting Elective Intermediate	SCA	121
BRSS2634	Tuba 4	CON	114	CAEL2009	Hot Glass Elective Introductory	SCA	121
BRSS2703	French Horn 3 (Advanced)	CON	115	CAEL2010	Hot Glass Elective Intermediate	SCA	122
BRSS2704	French Horn 4 (Advanced)	CON	115	CAEL2022	Electronic & New Media Art Elective Intr	SCA	122
BRSS2713	Trombone 3 (Advanced)	CON	115	CAEL2028	Artist in Residence 1	SCA	122
BRSS2714	Trombone 4 (Advanced)	CON	115	CAEL3002	Warm Glass Elective Advanced	SCA	122
BRSS2723	Trumpet 3 (Advanced)	CON	115	CAEL3003	Glass Flame Working Elective Advanced	SCA	122
BRSS2724	Trumpet 4 (Advanced)	CON	115	CAEL3004	Glass Casting Elective Advanced	SCA	122
BRSS2733	Tuba 3 (Advanced)	CON	115	CAEL3005	Hot Glass Elective Advanced	SCA	122
BRSS2734	Tuba 4 (Advanced)	CON	115	CAEL3013	Artist in Residence 2	SCA	123
BRSS3010	Trombone 5 (Major)	CON	116	CAEX2001	Ceramics C Studio Extension	SCA	123
BRSS3011	Trombone 6 (Major)	CON	116	CAEX2002	Glass C Studio Extension	SCA	123
BRSS3012	Trumpet 5 (Major)	CON	116	CAEX2003	Jewellery and Object C Studio Extension	SCA	123
BRSS3013	Trumpet 6 (Major)	CON	116	CAEX2004	Painting C Studio Extension	SCA	123
BRSS3014	Tuba 5 (Major)	CON	116	CAEX2005	Printmedia C Studio Extension	SCA	123
BRSS3015	Tuba 6 (Major)	CON	116	CAEX2006	Sculpture C Studio Extension	SCA	123
BRSS3605	French Horn 5	CON	116	CAEX2007	Photomedia C Studio Extension	SCA	124
BRSS3606	French Horn 6	CON	116	CAEX2008	Film and Digital Art C Studio Extension	SCA	124
BRSS3615	Trombone 5	CON	116	CAEX2009	Ceramics D Studio Extension	SCA	124
BRSS3616	Trombone 6	CON	117	CAEX2010	Glass D Studio Extension	SCA	124
BRSS3625	Trumpet 5	CON	117	CAEX2011	Jewellery and Object D Studio Extension	SCA	124
BRSS3626	Trumpet 6	CON	117	CAEX2012	Painting D Studio Extension	SCA	124
BRSS3635	Tuba 5	CON	117	CAEX2013	Printmedia D Studio Extension	SCA	124
BRSS3636	Tuba 6	CON	117	CAEX2014	Sculpture D Studio Extension	SCA	124
BRSS4004	French Horn 7 (Major)	CON	117	CAEX2015	Photomedia D Studio Extension	SCA	125
BRSS4006	French Horn 8 (Major)	CON	117	CAEX2016	Film and Digital Art D Studio Extension	SCA	125
BRSS4010	Trombone 7 (Major)	CON	117	CAEX3001	Ceramics E Studio Extension	SCA	125
BRSS4012	Trombone 8 (Major)	CON	117	CAEX3002	Glass E Studio Extension	SCA	125
BRSS4014	Trumpet 7 (Major)	CON	117	CAEX3003	Jewellery and Object E Studio Extension	SCA	125
BRSS4016	Trumpet 8 (Major)	CON	118	CAEX3004	Painting E Studio Extension	SCA	125
BRSS4018	Tuba 7 (Major)	CON	118	CAEX3005	Printmedia E Studio Extension	SCA	125
BRSS4020	Tuba 8 (Major)	CON	118	CAEX3006	Sculpture E Studio Extension	SCA	125
BRSS4607	French Horn 7	CON	118	CAEX3007	Photomedia E Studio Extension	SCA	126
BRSS4608	French Horn 8	CON	118	CAEX3008	Film and Digital Art E Studio Extension	SCA	126
BRSS4617	Trombone 7	CON	118	CAEX3009	Ceramics F Studio Extension	SCA	126
BRSS4618	Trombone 8	CON	118	CAEX3010	Glass F Studio Extension	SCA	126
				CAEX3011	Jewellery and Object F Studio Extension	SCA	126



CAEX3012	Painting F Studio Extension	SCA	126	CHEM3917	Mol. Spectroscopy & Quantum Theory (Adv)	SCI	135
CAEX3013	Printmedia F Studio Extension	SCA	126	CHEM4011	Chemistry Honours A	SCI	135
CAEX3014	Sculpture F Studio Extension	SCA	127	CHEM4012	Chemistry Honours B	SCI	135
CAEX3015	Photomedia F Studio Extension	SCA	127	CHEM4013	Chemistry Honours C	SCI	136
CAEX3016	Film and Digital Art F Studio Extension	SCA	127	CHEM4014	Chemistry Honours D	SCI	136
CAPP2001	Professional Placement for Artists 1	SCA	127	CHNG1006	Professional Communication for Engineers	ENG	136
CAPP3001	Professional Placement for Artists 2	SCA	127	CHNG1103	Material & Energy Transformations Intro	ENG	136
CHEM1001	Fundamentals of Chemistry 1A	SCI	127	CHNG2801	Conservation and Transport Processes	ENG	136
CHEM1002	Fundamentals of Chemistry 1B	SCI	127	CHNG2802	Applied Maths for Chemical Engineers	ENG	136
CHEM1101	Chemistry 1A	SCI	127	CHNG2803	Energy and Fluid Systems Practice	ENG	137
CHEM1102	Chemistry 1B	SCI	128	CHNG2804	Chemical & Biological Systems Behaviour	ENG	137
CHEM1108	Chemistry 1A Life Sciences	SCI	128	CHNG2805	Industrial Systems and Sustainability	ENG	137
CHEM1109	Chemistry 1B Life Sciences	SCI	128	CHNG2806	Materials Purification and Recovery	ENG	138
CHEM1405	Chemistry	SCI	128	CHNG3041	Exchange Program 3A	ENG	138
CHEM1551	Chemistry Exchange	SCI	128	CHNG3042	Exchange Program 3B	ENG	138
CHEM1552	Chemistry Exchange	SCI	129	CHNG3801	Process Design	ENG	138
CHEM1611	Chemistry A (Pharmacy)	SCI	129	CHNG3802	Operating/Improving Industrial Systems	ENG	139
CHEM1612	Chemistry B (Pharmacy)	SCI	129	CHNG3803	Chemical/Biological Process Design	ENG	139
CHEM1901	Chemistry 1A (Advanced)	SCI	129	CHNG3804	Biochemical Engineering	ENG	139
CHEM1902	Chemistry 1B (Advanced)	SCI	129	CHNG3805	Product Formulation and Design	ENG	140
CHEM1903	Chemistry 1A (Special Studies Program)	SCI	129	CHNG3806	Management of Industrial Systems	ENG	140
CHEM1904	Chemistry 1B (Special Studies Program)	SCI	130	CHNG3807	Products and Value Chains	ENG	140
CHEM2401	Molecular Reactivity and Spectroscopy	SCI	130	CHNG3808	Polymer Engineering	ENG	140
CHEM2402	Chemical Structure and Stability	SCI	130	CHNG4001	Practical Experience	ENG	141
CHEM2403	Chemistry of Biological Molecules	SCI	130	CHNG4003	Advances in Chemical Engineering A	ENG	141
CHEM2404	Forensic and Environmental Chemistry	SCI	130	CHNG4006	Professional Option	ENG	141
CHEM2553	Chemistry Exchange	SCI	131	CHNG4041	Exchange Program 4A	ENG	141
CHEM2554	Chemistry Exchange	SCI	131	CHNG4042	Exchange Program 4B	ENG	142
CHEM2555	Chemistry Exchange	SCI	131	CHNG4203	Major Industrial Project	ENG	142
CHEM2556	Chemistry Exchange	SCI	131	CHNG4802	Chemical Engineering Design A	ENG	142
CHEM2911	Molecular Reactivity & Spectroscopy Adv	SCI	131	CHNG4806	Chemical Engineering Design B	ENG	142
CHEM2912	Chemical Structure and Stability (Adv)	SCI	131	CHNG4811	Honours Thesis A	ENG	143
CHEM2915	Molecular Reactivity & Spectroscopy SSP	SCI	131	CHNG4812	Honours Thesis B	ENG	143
CHEM2916	Chemical Structure and Stability (SSP)	SCI	131	CHNG4813	Engineering Project A	ENG	143
CHEM3110	Biomolecules: Properties and Reactions	SCI	132	CHNG4814	Engineering Project B	ENG	143
CHEM3111	Organic Structure and Reactivity	SCI	132	CHNG5003	Green Engineering	ENG	144
CHEM3112	Materials Chemistry	SCI	132	CHNG5004	Particles and Surfaces	ENG	144
CHEM3113	Catalysis and Sustainable Processes	SCI	132	CHNS1101	Chinese 1A (For Beginners)	ARTS	144
CHEM3114	Metal Complexes: Medicine and Materials	SCI	132	CHNS1102	Chinese 1B (For Beginners)	ARTS	144
CHEM3115	Synthetic Medicinal Chemistry	SCI	133	CHNS1201	Chinese 1C (For Advanced Beginners)	ARTS	144
CHEM3116	Membranes, Self Assembly and Surfaces	SCI	133	CHNS1202	Chinese 1D (For Advanced Beginners)	ARTS	145
CHEM3117	Molecular Spectroscopy & Quantum Theory	SCI	133	CHNS1801	Chinese Exchange	ARTS	145
CHEM3551	Chemistry Exchange	SCI	133	CHNS1802	Chinese Exchange	ARTS	145
CHEM3552	Chemistry Exchange	SCI	133	CHNS2601	Chinese 2A (Lower Intermediate)	ARTS	145
CHEM3553	Chemistry Exchange	SCI	133	CHNS2602	Chinese 2B (Lower Intermediate)	ARTS	145
CHEM3554	Chemistry Exchange	SCI	133	CHNS2611	Classical Chinese A	ARTS	145
CHEM3555	Chemistry Exchange	SCI	133	CHNS2612	Classical Chinese B	ARTS	145
CHEM3556	Chemistry Exchange	SCI	134	CHNS2650	Chinese In-Country Study A	ARTS	146
CHEM3910	Biomolecules: Properties & Reactions Adv	SCI	134	CHNS2651	Chinese In-Country Study B	ARTS	146
CHEM3911	Organic Structure and Reactivity (Adv)	SCI	134	CHNS2652	Chinese In-Country Study C	ARTS	146
CHEM3912	Materials Chemistry (Adv)	SCI	134	CHNS2653	Chinese In-Country Study D	ARTS	146
CHEM3913	Catalysis and Sustainable Process (Adv)	SCI	134	CHNS2654	Chinese In-Country Study E	ARTS	146
CHEM3914	Metal Complexes: Medic. & Mater. (Adv)	SCI	135	CHNS2655	Chinese In-Country Study F	ARTS	146
CHEM3915	Synthetic Medicinal Chemistry (Adv)	SCI	135	CHNS2656	Chinese In-Country Study G	ARTS	146
CHEM3916	Membranes, Self Assembly & Surfaces (Adv)	SCI	135	CHNS2657	Chinese In-Country Study H	ARTS	146
				CHNS2810	Chinese Exchange	ARTS	146

CHNS2811	Chinese Exchange	ARTS	146	CIVL4615	Water Resources and Hydrology	ENG	156
CHNS2812	Chinese Exchange	ARTS	147	CIVL4810	Mgmt of People, Quality and Risk in PE	ENG	157
CHNS2813	Chinese Exchange	ARTS	147	CIVL4811	Engineering Design and Construction	ENG	157
CHNS3601	Chinese 3A (Upper Intermediate)	ARTS	147	CIVL4814	Project Procurement and Tendering	ENG	157
CHNS3602	Chinese 3B (Upper Intermediate)	ARTS	147	CIVL4815	Project Formulation	ENG	157
CHNS3603	Chinese 4A (Advanced)	ARTS	147	CIVL4903	Civil Engineering Design	ENG	158
CHNS3604	Chinese 4B (Advanced)	ARTS	147	CLAW1001	Commercial Transactions A	E&B	158
CHNS3605	Advanced Chinese Studies A	ARTS	147	CLAW1551	Commercial Law Exchange	E&B	158
CHNS3606	Advanced Chinese Studies B	ARTS	147	CLAW2201	Corporations Law	E&B	158
CHNS3608	Chinese for Business Purposes (A)	ARTS	148	CLAW2202	Bankruptcy and Insolvency	E&B	158
CHNS3609	Chinese for Business Purposes (B)	ARTS	148	CLAW2203	Stock Markets and Derivatives Law	E&B	158
CHNS3633	Lu Xun and China's Modern Literature	ARTS	148	CLAW2204	Banking and Finance Law	E&B	159
CHNS3634	Gender in Modern Chinese Literature	ARTS	148	CLAW2205	Trade Practices and Consumer Law	E&B	159
CHNS3642	Governing China: The Premodern Heritage	ARTS	148	CLAW2207	Legal Ethics and the Professions	E&B	159
CHNS3645	Classical Chinese Prose	ARTS	149	CLAW2551	Commercial Law Exchange	E&B	159
CHNS4011	Chinese Honours A	ARTS	149	CLAW2552	Commercial Law Exchange	E&B	159
CHNS4012	Chinese Honours B	ARTS	149	CLAW2553	Commercial Law Exchange	E&B	159
CHNS4013	Chinese Honours C	ARTS	149	CLAW3101	Commercial Law Exchange	E&B	159
CHNS4014	Chinese Honours D	ARTS	149	CLAW3102	Commercial Law Exchange	E&B	159
CISS2001	Business in the Global Environment	E&B	149	CLAW3201	Australian Taxation System	E&B	159
CIVL0011	Civil Exchange A	ENG	149	CLAW3202	Tax Strategies in a Business Environment	E&B	160
CIVL0012	Civil Exchange B	ENG	150	CLAW4101	Commercial Law Honours A	E&B	160
CIVL0013	Civil Exchange C	ENG	150	CLAW4102	Commercial Law Honours B	E&B	160
CIVL0014	Civil Exchange D	ENG	150	CLAW4103	Commercial Law Honours C	E&B	160
CIVL0015	Civil Exchange E	ENG	150	CLAW4104	Commercial Law Honours D	E&B	160
CIVL0016	Civil Exchange F	ENG	150	CLAW9001	Commercial Law Extension	E&B	160
CIVL0017	Civil Exchange G	ENG	150	CLAW9002	Commercial Law Extension	E&B	160
CIVL0018	Civil Exchange H	ENG	150	CLAW9003	Commercial Law Extension	E&B	160
CIVL2110	Materials	ENG	150	CLAW9004	Commercial Law Extension	E&B	160
CIVL2201	Structural Mechanics	ENG	150	CLCV1801	Classical Civilisation Exchange	ARTS	160
CIVL2230	Intro to Structural Concepts and Design	ENG	151	CLCV1802	Classical Civilisation Exchange	ARTS	160
CIVL2410	Soil Mechanics	ENG	151	CLIN3001	High Acuity Nursing	NURS	161
CIVL2511	Instrumentation & Measurement	ENG	151	CLIN3002	Inquiry and Research in Nursing	NURS	161
CIVL2611	Fluid Mechanics: Inviscid Flow	ENG	152	CLIN3004	Masculinities and Men's Health Nursing	NURS	161
CIVL2810	Engineering Construction and Surveying	ENG	152	CLIN3006	Nursing Critically Ill Patients	NURS	161
CIVL3010	Engineering and Society	ENG	152	CLIN3020	Human Biology	NURS	161
CIVL3205	Concrete Structures 1	ENG	152	CLIN3021	Nursing, Knowledge and Practice	NURS	161
CIVL3206	Steel Structures 1	ENG	152	CLIN4005	Nursing Indigenous Australian People	NURS	161
CIVL3235	Structural Analysis	ENG	153	CLNU3020	Clinical Experience 1	NURS	162
CIVL3411	Foundation Engineering	ENG	153	CLNU3021	Clinical Experience 2	NURS	162
CIVL3612	Environmental & Fluids Eng: Viscous Flow	ENG	153	CLSS2603	Greek and Roman Literature - Epic	ARTS	162
CIVL3613	Ocean and Coastal Engineering	ENG	153	CLSS2804	Classical Civilisation Exchange	ARTS	162
CIVL3805	Project Scope, Time and Cost Management	ENG	154	CLSS2805	Classical Civilisation Exchange	ARTS	162
CIVL3812	Project Appraisal	ENG	154	CLSS4011	Classics Honours A	ARTS	162
CIVL3813	Contracts Formulation and Management	ENG	154	CLSS4012	Classics Honours B	ARTS	162
CIVL4008	Practical Experience	ENG	154	CLSS4013	Classics Honours C	ARTS	162
CIVL4022	Honours Thesis A	ENG	155	CLSS4014	Classics Honours D	ARTS	162
CIVL4023	Honours Thesis B	ENG	155	CLST2601	Defining the Celts	ARTS	162
CIVL4024	Engineering Project A	ENG	155	CLST2602	Old Irish 2	ARTS	163
CIVL4025	Engineering Project B	ENG	155	CLST2603	Middle Welsh 2	ARTS	163
CIVL4240	Concrete Structures 2	ENG	155	CLST2604	Middle Welsh 1	ARTS	163
CIVL4241	Steel Structures 2	ENG	155	CLST2605	Celts in History	ARTS	163
CIVL4412	Geotechnical Engineering	ENG	156	CLST2606	Old Irish 1	ARTS	163
CIVL4413	Environmental Geotechnics	ENG	156	CLST2607	Modern Irish Linguistics	ARTS	163
CIVL4414	Finite Element Analysis	ENG	156	CLST4011	Celtic Studies Honours A	ARTS	163
CIVL4614	Flow-Induced Vibrations	ENG	156	CLST4012	Celtic Studies Honours B	ARTS	163

CLST4013	Celtic Studies Honours C	ARTS	164	COMP3109	Programming Languages and Paradigms	ENG	171
CLST4014	Celtic Studies Honours D	ARTS	164	COMP3308	Introduction to Artificial Intelligence	ENG	171
CMPN1000	Composition Through Improvisation 1	CON	164	COMP3419	Graphics and Multimedia	ENG	171
CMPN1003	Composition Through Improvisation 2	CON	164	COMP3456	Computational Methods for Life Sciences	ENG	172
CMPN1007	Electronic Music 1	CON	164	COMP3520	Operating Systems Internals	ENG	172
CMPN1008	Electronic Music 2	CON	164	COMP3556	Computer Science Exchange	ENG	172
CMPN1601	Composition 1	CON	164	COMP3557	Computer Science Exchange	ENG	172
CMPN1602	Composition 2	CON	164	COMP3558	Computer Science Exchange	ENG	172
CMPN1611	Compositional Techniques and Analysis 1	CON	164	COMP3559	Computer Science Exchange	ENG	172
CMPN1612	Compositional Techniques and Analysis 2	CON	165	COMP3608	Intro. to Artificial Intelligence (Adv)	ENG	172
CMPN1631	Electroacoustic Music 1	CON	165	COMP3615	Software Development Project	ENG	172
CMPN1632	Electroacoustic Music 2	CON	165	COMP4011	Computer Science Honours A	ENG	172
CMPN2000	Composition Through Improvisation 3	CON	165	COMP4012	Computer Science Honours B	ENG	172
CMPN2001	Composition Through Improvisation 4	CON	165	COMP4013	Computer Science Honours C	ENG	173
CMPN2003	Composition 3 (Major)	CON	165	COMP4014	Computer Science Honours D	ENG	173
CMPN2004	Composition 4 (Major)	CON	165	COMP4551	Computer Science Exchange	ENG	173
CMPN2006	Sound Recording Fundamentals	CON	166	COMP4552	Computer Science Exchange	ENG	173
CMPN2007	Sound Recording Advanced	CON	166	COMP4553	Computer Science Exchange	ENG	173
CMPN2011	Compositional Techniques and Analysis 3	CON	166	COMP4554	Computer Science Exchange	ENG	173
CMPN2012	Compositional Techniques and Analysis 4	CON	166	CONS3001	Conservatorium Exchange	CON	173
CMPN2603	Composition 3	CON	166	CONS3002	Conservatorium Exchange	CON	173
CMPN2604	Composition 4	CON	166	CONS3003	Conservatorium Exchange	CON	173
CMPN3000	Composer Performer Workshop 1	CON	166	CONS3004	Conservatorium Exchange	CON	173
CMPN3001	Composer Performer Workshop 2	CON	167	CONS3005	Conservatorium Exchange	CON	173
CMPN3004	Composition 5 (Major)	CON	167	CONS3006	Conservatorium Exchange	CON	173
CMPN3005	Composition 5 (Honours)	CON	167	CONS3007	Conservatorium Exchange	CON	173
CMPN3006	Composition 6 (Major)	CON	167	CONS3008	Conservatorium Exchange	CON	173
CMPN3007	Composition 6 (Honours)	CON	167	CONS3009	Conservatorium Exchange	CON	174
CMPN3008	Interactive and Algorithmic Composition	CON	167	CONS3010	Conservatorium Exchange	CON	174
CMPN3009	Sound Synthesis	CON	167	CONS3011	Conservatorium Exchange	CON	174
CMPN3012	Compositional Techniques and Analysis 5	CON	168	CONS3012	Conservatorium Exchange	CON	174
CMPN3013	Compositional Techniques and Analysis 6	CON	168	CONS3013	Conservatorium Exchange	CON	174
CMPN3605	Composition 5	CON	168	COSC1001	Computational Science in Matlab	SCI	174
CMPN3606	Composition 6	CON	168	COSC1002	Computational Science in C	SCI	174
CMPN3615	Composition 5 (Honours)	CON	168	COSC1551	Computational Science Exchange	SCI	174
CMPN3616	Composition 6 (Honours)	CON	168	COSC1901	Computational Science in Matlab (Adv)	SCI	174
CMPN4000	Composer Performer Workshop 3	CON	169	COSC1902	Computational Science in C (Adv)	SCI	174
CMPN4001	Composer Performer Workshop 4	CON	169	COSC3011	Scientific Computing	SCI	174
CMPN4004	Composition 7 (Major)	CON	169	COSC3551	Computational Science Exchange	SCI	175
CMPN4005	Composition 7 (Honours)	CON	169	COSC3552	Computational Science Exchange	SCI	175
CMPN4006	Composition 8 (Major)	CON	169	COSC3911	Scientific Computing (Advanced)	SCI	175
CMPN4007	Composition 8 (Honours)	CON	169	COSC4001	Computational Science Honours A	SCI	175
CMPN4010	Sound and Image	CON	169	COSC4002	Computational Science Honours B	SCI	175
CMPN4011	Composition and Multimedia	CON	170	COSC4003	Computational Science Honours C	SCI	175
CMPN4607	Composition 7	CON	170	COSC4004	Computational Science Honours D	SCI	175
CMPN4608	Composition 8	CON	170	CPAT3201	Pathogenesis of Human Disease 1	MED	175
CMPN4610	Composition 7 (Honours)	CON	170	CPAT3202	Pathogenesis of Human Disease 2	MED	175
CMPN4611	Composition 8 (Honours)	CON	170	CPAT3551	Cell Pathology Exchange	MED	176
COMM1001	Prob Solving & Communication in Science	SCI	170	CPAT3552	Cell Pathology Exchange	MED	176
COMP2007	Algorithms and Complexity	ENG	170	CPAT4011	Cell Pathology Honours A	MED	176
COMP2129	Operating Systems and Machine Principles	ENG	171	CPAT4012	Cell Pathology Honours B	MED	176
COMP2555	Computer Science Exchange	ENG	171	CPAT4013	Cell Pathology Honours C	MED	176
COMP2556	Computer Science Exchange	ENG	171	CPAT4014	Cell Pathology Honours D	MED	176
COMP2557	Computer Science Exchange	ENG	171	CSCD1030	Clinical Linguistics	HSCI	176
COMP2558	Computer Science Exchange	ENG	171	CSCD1031	Clinical Phonetics & Articulation	HSCI	176
COMP2907	Algorithms and Complexity (Advanced)	ENG	171	CSCD1032	Human Communication	HSCI	177

CSCD1033	Child Phonology	HSCI	177	CSCD4038	Honours Thesis	HSCI	184
CSCD2030	Voice Science and Disorders	HSCI	177	CSCD4039	Honours Paper I	HSCI	184
CSCD2035	Phonetics II	HSCI	177	CSCD4040	Honours Paper II	HSCI	184
CSCD2040	Audiology I	HSCI	177	CSCD4042	Clinical Mentoring A	HSCI	185
CSCD2041	Language Impairments in Children I	HSCI	177	CSCD4043	Clinical Mentoring B	HSCI	185
CSCD2042	Language Impairments in Children II	HSCI	178	CSCD4044	Clinical Mentoring H	HSCI	185
CSCD2043	Stuttering	HSCI	178	CSCD4045	Honours Thesis I	HSCI	185
CSCD2046	Audiological Management I	HSCI	178	CSCD4046	Honours Thesis II	HSCI	185
CSCD2047	Neurogenics I	HSCI	178	CSCD4047	Advanced Clinical IIA: Adult	HSCI	185
CSCD2048	Introductory Clinical I	HSCI	178	CSCD4048	Advanced Clinical IIA: Child	HSCI	185
CSCD2049	Introductory Clinical II	HSCI	178	CSCD4049	Advanced Clinical IIB: Adult	HSCI	185
CSCD2051	Professional Development IIA	HSCI	178	CSCD4050	Advanced Clinical IIB: Child	HSCI	185
CSCD2052	Professional Development IIB	HSCI	178				
CSCD2053	Communication Fieldwork I	HSCI	178	<b>D</b>			
CSCD2054	Communication Fieldwork II	HSCI	179	DAAE2001	20th Century Australian Architecture	ARCH	187
CSCD2057	Child Language	HSCI	179	DAAE2002	Architecture, Place and Society	ARCH	187
CSCD2058	Stuttering	HSCI	179	DAAE2004	Housing for Health	ARCH	187
CSCD2059	Clinical Processes	HSCI	179	DAAE2005	Designing with Colour 1	ARCH	187
CSCD2060	Introductory Practice 1: Clinical	HSCI	179	DAAE2006	Designing with Colour 2	ARCH	188
CSCD2061	Introductory Practice 1: Community	HSCI	179	DAAE2007	Introduction to Project Management	ARCH	188
CSCD2062	Motor Speech and Dysphagia	HSCI	180	DAAE2008	Innovative Building Structures	ARCH	188
CSCD2063	Voice and Voice Disorders 1	HSCI	180	DAAE3001	Sustainable Architectural Practice	ARCH	189
CSCD3023	Neurogenics II	HSCI	180	DAAP3001	Contemporary Architecture and Theory	ARCH	189
CSCD3024	Communication and Lifelong Disability	HSCI	180	DAAP3002	Architectural Technologies	ARCH	189
CSCD3032	Professional Development III	HSCI	180	DECO1006	Understanding Design & Cognition	ARCH	190
CSCD3034	Craniofacial Anomalies	HSCI	180	DECO1008	3D Modelling	ARCH	190
CSCD3036	Language Impairments in Children III	HSCI	181	DECO1012	Design Programming	ARCH	190
CSCD3037	Swallowing Impairments	HSCI	181	DECO1013	Sound Design and Sonification	ARCH	190
CSCD3049	Audiological Management II	HSCI	181	DECO1100	Digital Design Studio	ARCH	191
CSCD3050	Intermediate Clinical IH	HSCI	181	DECO2010	Collaborative Virtual Environments	ARCH	191
CSCD3051	Honours Research Seminar I	HSCI	181	DECO2011	Design Programming	ARCH	191
CSCD3052	Professional Development IIIH	HSCI	181	DECO2012	Sound Design and Sonification	ARCH	191
CSCD3053	Intermediate Clinical IIH	HSCI	181	DECO2013	Generative Design Systems	ARCH	192
CSCD3054	Honours Research Seminar II	HSCI	181	DECO2101	Digital Image Design & Representation	ARCH	192
CSCD3055	Audiology II	HSCI	181	DECO2102	Interactive Multimedia Design	ARCH	192
CSCD3056	Communication Fieldwork III	HSCI	182	DECO2103	3D Modelling	ARCH	192
CSCD3057	Communication Fieldwork IV	HSCI	182	DECO2200	Interaction Design Studio	ARCH	193
CSCD3058	Auditory Perception and Processing	HSCI	182	DECO2204	Principles of AutoCAD	ARCH	193
CSCD3059	Communication Studies	HSCI	182	DECO2205	Principles of ArchiCAD	ARCH	193
CSCD3060	Readings 1	HSCI	182	DECO2606	Real Time Multimedia	ARCH	193
CSCD3061	Directed Readings	HSCI	182	DECO2660	Exchange Collaborative Virtual Environs	ARCH	194
CSCD3063	Intermediate Clinical IA	HSCI	182	DECO2664	Design Comp Exchange Tech Elective 2A	ARCH	194
CSCD3064	Intermediate Clinical IIA	HSCI	182	DECO2665	Design Comp Exchange Tech Elective 2B	ARCH	194
CSCD3065	Intermediate Clinical IB	HSCI	183	DECO2666	Design Comp Exchange AES Elective 2A	ARCH	195
CSCD3066	Intermediate Clinical IIB	HSCI	183	DECO2667	Design Comp Exchange AES Elective 2B	ARCH	195
CSCD3068	Directed Readings II	HSCI	183	DECO2668	Design Comp Exchange Elective 2A	ARCH	195
CSCD3073	Readings II	HSCI	183	DECO2669	Design Comp Exchange Elective 2B	ARCH	195
CSCD4026	Advanced Topics A	HSCI	183	DECO2670	Exchange Design Computing Studio 2	ARCH	196
CSCD4027	Professional Development IVA	HSCI	183	DECO3003	Design Computing Research Opportunity	ARCH	196
CSCD4028	Advanced Clinical IA	HSCI	183	DECO3005	Advanced Interactive Multimedia Design	ARCH	196
CSCD4030	Advanced Topics B	HSCI	183	DECO3006	Principles of Animation	ARCH	196
CSCD4031	Professional Development IVB	HSCI	184	DECO3008	Design Computing Prep Hons Research	ARCH	197
CSCD4032	Advanced Clinical IB	HSCI	184	DECO3100	Information Visualisation Design Studio	ARCH	197
CSCD4035	Advanced Clinical IH	HSCI	184	DECO3200	Human-Computer Experience Des Std	ARCH	197
CSCD4036	Professional Development IVH	HSCI	184	DECO3441	Design Computing Independent Study A	ARCH	197
CSCD4037	Advanced Clinical IIH	HSCI	184	DECO3442	Design Computing Independent Study B	ARCH	198

DECO3443	Design Computing Independent Study C	ARCH	198	ECMT3640	Project Planning and Management	E&B	211
DECO3444	Design Computing Independent Study D	ARCH	198	ECMT3901	Econometrics Exchange	E&B	211
DECO3551	Design Computing General Elective A	ARCH	198	ECMT3902	Econometrics Exchange	E&B	211
DECO3552	Design Computing General Elective B	ARCH	198	ECMT3903	Econometrics Exchange	E&B	211
DECO3553	Design Computing General Elective C	ARCH	198	ECMT4101	Econometrics Honours A	E&B	212
DECO3554	Design Computing General Elective D	ARCH	199	ECMT4102	Econometrics Honours B	E&B	212
DECO3660	Exchange Design Computing Studio 3	ARCH	199	ECMT4103	Econometrics Honours C	E&B	212
DECO3662	Design Computing Exchange Elective 3A	ARCH	199	ECMT4104	Econometrics Honours D	E&B	212
DECO3663	Design Computing Exchange Elective 3B	ARCH	199	ECMT4601	Management Decision Sciences Honours A	E&B	212
DECO3664	Design Computing Exchange Elective 3C	ARCH	199	ECMT4602	Management Decision Sciences Honours B	E&B	212
DECO4001	Design Computing Honours Research A	ARCH	200	ECMT4603	Management Decision Sciences Honours C	E&B	212
DECO4002	Design Computing Honours Research B	ARCH	200	ECMT4604	Management Decision Sciences Honours D	E&B	212
DECO4003	Design Computing Honours Research C	ARCH	200	ECMT9001	Econometrics Extension	E&B	212
DECO4004	Design Computing Honours Research D	ARCH	200	ECMT9002	Econometrics Extension	E&B	212
DESA1001	Design Practice 1A	ARCH	200	ECMT9003	Econometrics Extension	E&B	212
DESA1002	Design Practice 1B	ARCH	201	ECMT9004	Econometrics Extension	E&B	213
DESA1004	Designing with Surfaces and Light	ARCH	201	ECOF1001	Communication and Critical Analysis 1A	E&B	213
DESA1101	Design Studies 1A	ARCH	202	ECOF1002	Communication and Critical Analysis 1B	E&B	213
DESA1102	Design Studies 1B	ARCH	202	ECOF1551	General Exchange	E&B	213
DESA2001	Design Practice 2A	ARCH	202	ECOF2101	Economics/Commerce Exchange	E&B	213
DESA2002	Design Practice 2B	ARCH	203	ECOF2102	Economics/Commerce Exchange	E&B	213
DESA2111	Design Studies 2	ARCH	203	ECOF2551	Economics/Commerce Exchange	E&B	213
DESA3001	Design Practice 3A	ARCH	204	ECOF2552	Economics/Commerce Exchange	E&B	213
DESA3002	Design Practice 3B	ARCH	204	ECOF3001	Business Strategy	E&B	213
DESA3441	Design Architecture Independent Study A	ARCH	205	ECOF3101	Economics/Commerce Exchange	E&B	213
DESA3442	Design Architecture Independent Study B	ARCH	205	ECOF3102	Economics/Commerce Exchange	E&B	213
DESA3443	Design Architecture Independent Study C	ARCH	205	ECOF3551	Economics/Commerce Exchange	E&B	214
DESA3444	Design Architecture Independent Study D	ARCH	205	ECOF3552	Economics/Commerce Exchange	E&B	214
DESA3551	Design Architecture General Elective A	ARCH	205	ECOF9001	Economics/Commerce Extension	E&B	214
DESA3552	Design Architecture General Elective B	ARCH	206	ECOF9002	Economics/Commerce Extension	E&B	214
DESA3553	Design Architecture General Elective C	ARCH	206	ECOF9003	Economics/Commerce Extension	E&B	214
DESA3554	Design Architecture General Elective D	ARCH	206	ECON1001	Introductory Microeconomics	E&B	214
DESP1001	Introductory Urban Design and Planning	ARCH	206	ECON1002	Introductory Macroeconomics	E&B	214
DESP2001	Planning for the Public Domain	ARCH	206	ECON4101	Economics Honours A	E&B	214
DESP2002	Planning for the Built Environment	ARCH	206	ECON4102	Economics Honours B	E&B	214
				ECON4103	Economics Honours C	E&B	214
				ECON4104	Economics Honours D	E&B	214
				ECON9001	Economics Extension	E&B	215
				ECON9002	Economics Extension	E&B	215
				ECON9003	Economics Extension	E&B	215
				ECON9004	Economics Extension	E&B	215
				ECOP1001	Economics as a Social Science	ARTS	215
				ECOP1003	International Economy and Finance	ARTS	215
				ECOP1004	Economy and Society	ARTS	215
				ECOP1551	Political Economy Exchange	ARTS	215
				ECOP1552	Political Economy Exchange	ARTS	215
				ECOP2011	Economics of Modern Capitalism	ARTS	215
				ECOP2012	Social Foundations of Modern Capitalism	ARTS	215
				ECOP2550	Political Economy Exchange	ARTS	216
				ECOP2551	Political Economy Exchange	ARTS	216
				ECOP2552	Political Economy Exchange	ARTS	216
				ECOP2612	Economic Policy in Global Context	ARTS	216
				ECOP2911	Political Economy Honours II	ARTS	216
				ECOP3012	Global Political Economy	ARTS	216
				ECOP3014	Political Economy of Development	ARTS	216
				ECOP3015	Political Economy of the Environment	ARTS	216
<b>E</b>							
ECMT1010	Business and Economic Statistics A	E&B	209				
ECMT1020	Business and Economic Statistics B	E&B	209				
ECMT1551	Econometrics Exchange	E&B	209				
ECMT2110	Regression Modelling	E&B	209				
ECMT2120	Analysis of Discrete Choice Data	E&B	209				
ECMT2130	Financial Econometrics	E&B	209				
ECMT2620	Management Science	E&B	209				
ECMT2630	Managerial Decision Making	E&B	210				
ECMT2640	Operations Management	E&B	210				
ECMT2901	Econometrics Exchange	E&B	210				
ECMT2902	Econometrics Exchange	E&B	210				
ECMT2903	Econometrics Exchange	E&B	210				
ECMT3110	Econometric Models and Methods	E&B	210				
ECMT3120	Applied Econometrics	E&B	210				
ECMT3130	Forecasting for Economics and Business	E&B	210				
ECMT3150	The Econometrics of Financial Markets	E&B	211				
ECMT3160	Statistical Modelling	E&B	211				
ECMT3170	Computational Econometrics	E&B	211				
ECMT3610	Management Science Models and Methods	E&B	211				

ECOP3017	Political Economy of Human Rights	ARTS	217	EDBT5533	Teaching in Multilingual Classrooms	EDU	224
ECOP3019	Finance: Volatility and Regulation	ARTS	217	EDBT5534	Human Society and its Environs K-6	EDU	224
ECOP3551	Political Economy Exchange	ARTS	217	EDBT5535	Science and Technology K-6	EDU	224
ECOP3552	Political Economy Exchange	ARTS	217	EDBT5536	Personal Development, Health & PE K-6	EDU	224
ECOP3553	Political Economy Exchange	ARTS	217	EDBT5537	Special Interest Unit 1	EDU	224
ECOP3620	Distribution of Income and Wealth	ARTS	217	EDBT5538	Honours 1	EDU	224
ECOP3911	Theories in Political Economy	ARTS	217	EDBT5550	Language Arts in Early Childhood	EDU	224
ECOP3912	Research in Political Economy	ARTS	217	EDBT5551	Mathematics in Early Childhood	EDU	224
ECOP4001	Political Economy Honours A	ARTS	217	EDBT5552	Sociocultural Learning - Early Childhood	EDU	225
ECOP4002	Political Economy Honours B	ARTS	218	EDBT5553	Managing an Early Childhood Community	EDU	225
ECOP4003	Political Economy Honours C	ARTS	218	EDBT5554	Child Protection in Early Childhood	EDU	225
ECOP4004	Political Economy Honours D	ARTS	218	EDBT5555	Creative Arts in Early Childhood	EDU	225
ECOP9001	Political Economy Extension	ARTS	218	EDBT5556	Health and Wellness in Early Childhood	EDU	225
ECOP9002	Political Economy Extension	ARTS	218	EDBT5557	Early Childhood Prof Experience 1	EDU	225
ECOP9003	Political Economy Extension	ARTS	218	EDBT5558	Science in Early Childhood	EDU	225
ECOP9004	Political Economy Extension	ARTS	218	EDBT5559	Diversity & Inclusion in Early Childhood	EDU	226
ECOS1551	Economics Exchange	E&B	218	EDBT5600	Professional Studies 2 (Options)	EDU	226
ECOS2001	Intermediate Microeconomics	E&B	218	EDBT5601	Professional Studies 1 (Options)	EDU	226
ECOS2002	Intermediate Macroeconomics	E&B	218	EDBT5602	Art Curriculum 1	EDU	226
ECOS2201	Economics of Competition and Strategy	E&B	219	EDBT5603	Art Curriculum 1 (Extension)	EDU	226
ECOS2306	Managerial Firms: Evolution & Attributes	E&B	219	EDBT5604	Drama Curriculum 1	EDU	226
ECOS2551	Economics Exchange	E&B	219	EDBT5605	Commerce/Economics Curriculum 1	EDU	226
ECOS2552	Economics Exchange	E&B	219	EDBT5606	Computer Studies Curriculum 1	EDU	226
ECOS2901	Intermediate Microeconomics Honours	E&B	219	EDBT5607	English Curriculum 1	EDU	227
ECOS2902	Intermediate Macroeconomics Honours	E&B	219	EDBT5608	Geography Curriculum 1	EDU	227
ECOS2903	Mathematical Economics A	E&B	219	EDBT5609	History Curriculum 1	EDU	227
ECOS3001	Capital and Growth	E&B	219	EDBT5610	Classical Hebrew & Judaism Curriculum 1	EDU	227
ECOS3002	Development Economics	E&B	220	EDBT5611	Languages Curriculum 1	EDU	227
ECOS3003	Hierarchies, Incentives & Firm Structure	E&B	220	EDBT5612	Languages Curriculum 1 (Additional)	EDU	227
ECOS3004	History of Economic Thought	E&B	220	EDBT5613	Mathematics Curriculum 1	EDU	227
ECOS3005	Industrial Organisation	E&B	220	EDBT5614	Mathematics Curriculum 1 (Extension)	EDU	227
ECOS3006	International Trade	E&B	220	EDBT5615	Music Curriculum 1	EDU	227
ECOS3007	International Macroeconomics	E&B	220	EDBT5616	Music Curriculum 1 (Extension)	EDU	228
ECOS3008	Labour Economics	E&B	221	EDBT5617	Science Curriculum 1	EDU	228
ECOS3010	Monetary Economics	E&B	221	EDBT5618	Science Curriculum 1 (Extension)	EDU	228
ECOS3011	Public Finance	E&B	221	EDBT5619	Social Studies Curriculum 1	EDU	228
ECOS3012	Strategic Behaviour	E&B	221	EDBT5620	TAS Curriculum 1	EDU	228
ECOS3016	Experimental and Behavioural Economics	E&B	221	EDBT5621	TAS Curriculum 1 (Extension)	EDU	228
ECOS3017	Health Economics	E&B	221	EDBT5622	TESOL Curriculum 1	EDU	228
ECOS3020	Special Topic in Economics	E&B	222	EDBT5623	School Psychology 1	EDU	228
ECOS3551	Economics Exchange	E&B	222	EDBT5625	Professional Studies 1 (Psychology)	EDU	229
ECOS3552	Economics Exchange	E&B	222	EDBT5626	Teaching & Learning in Early Childhood 1	EDU	229
ECOS3553	Economics Exchange	E&B	222	EDBT5652	Art Curriculum 2	EDU	229
ECOS3554	Economics Exchange	E&B	222	EDBT5653	Art Curriculum 2 (Extension)	EDU	229
ECOS3901	Advanced Microeconomics	E&B	222	EDBT5654	Drama Curriculum 2	EDU	229
ECOS3902	Advanced Macroeconomics	E&B	222	EDBT5655	Commerce/Economics Curriculum 2	EDU	229
ECOS3903	Applied Economics	E&B	222	EDBT5656	Computer Studies Curriculum 2	EDU	229
EDBT5000	International Curriculum	EDU	222	EDBT5657	English Curriculum 2	EDU	229
EDBT5500	Introduction to Teaching and Learning	EDU	223	EDBT5658	Geography Curriculum 2	EDU	230
EDBT5501	Information Technology in Education	EDU	223	EDBT5659	History Curriculum 2	EDU	230
EDBT5502	Teachers and Learners in Schools	EDU	223	EDBT5660	Classical Hebrew & Judaism Curriculum 2	EDU	230
EDBT5503	Professional Experiences 1	EDU	223	EDBT5661	Languages Curriculum 2	EDU	230
EDBT5504	Educational Workplace Practices	EDU	223	EDBT5662	Languages Curriculum 2 (Additional)	EDU	230
EDBT5530	Creative Arts K-6	EDU	223	EDBT5663	Mathematics Curriculum 2	EDU	230
EDBT5531	English 1 K-6	EDU	223	EDBT5664	Mathematics Curriculum 2 (Extension)	EDU	230
EDBT5532	Mathematics 1 K-6	EDU	224	EDBT5665	Music Curriculum 2	EDU	230

EDBT5666	Music Curriculum 2 (Extension)	EDU	230	EDSE3051	Teaching Science 1 (Core)	EDU	238
EDBT5667	Science Curriculum 2	EDU	231	EDSE3052	Teaching Science Elective (Chemistry)	EDU	238
EDBT5668	Science Curriculum 2 (Extension)	EDU	231	EDSE3053	Teaching Science Elective (Senior Sci)	EDU	238
EDBT5669	Social Studies Curriculum 2	EDU	231	EDSE3054	Teaching Science Elective (Biology)	EDU	239
EDBT5670	TAS Curriculum 2	EDU	231	EDSE3056	Teaching Visual Arts 2A	EDU	239
EDBT5671	TAS Curriculum 2 (Extension)	EDU	231	EDSE3057	Teaching Visual Arts 2B	EDU	239
EDBT5672	TESOL Curriculum 2	EDU	231	EDSE3058	Teaching History 2	EDU	239
EDBT5673	School Psychology 2	EDU	231	EDSE3059	Teaching Geography 2	EDU	239
EDBT5675	Professional Studies 2 (Psychology)	EDU	232	EDSE3060	Teaching Drama 2	EDU	239
EDBT5676	Teaching & Learning in Early Childhood 2	EDU	232	EDSE3061	Teaching TESOL 2	EDU	240
EDBT6119	Honours 2	EDU	232	EDSE3062	Teaching English 2	EDU	240
EDBT6125	Special Education: Inclusive Schools	EDU	232	EDSE3063	Teaching Mathematics 2A	EDU	240
EDBT6500	Schools and their Communities	EDU	232	EDSE3064	Teaching Mathematics 2B	EDU	240
EDBT6501	Professional Experiences 2	EDU	232	EDSE3065	Teaching Languages 2A	EDU	240
EDBT6531	English 2 K-6	EDU	232	EDSE3066	Teaching Computer Studies 2	EDU	240
EDBT6532	Mathematics 2 K-6	EDU	233	EDSE3067	Teaching Commerce/Economics 2	EDU	240
EDBT6533	Linkages Across the Curriculum K-6	EDU	233	EDSE3068	Teaching Science 2 (Core)	EDU	241
EDBT6537	Special Interest Unit 2	EDU	233	EDSE3071	Teaching Languages 2B	EDU	241
EDBT6602	Art Curriculum 3	EDU	233	EDSE3072	Craft Knowledge and Prof Practices 2	EDU	241
EDBT6603	Art Curriculum 3 (Extension)	EDU	233	EDSE3073	Professional Experience A	EDU	241
EDBT6604	Drama Curriculum 3	EDU	233	EDSE4021	Teaching Visual Arts 3A	EDU	241
EDBT6605	Commerce/Economics Curriculum 3	EDU	233	EDSE4022	Teaching Visual Arts 3B	EDU	241
EDBT6606	Computer Studies Curriculum 3	EDU	234	EDSE4023	Teaching History 3	EDU	242
EDBT6607	English Curriculum 3	EDU	234	EDSE4024	Teaching Geography 3	EDU	242
EDBT6608	Geography Curriculum 3	EDU	234	EDSE4025	Teaching Drama 3	EDU	242
EDBT6609	History Curriculum 3	EDU	234	EDSE4026	Teaching TESOL 3	EDU	242
EDBT6610	Classical Hebrew & Judaism Curriculum 3	EDU	234	EDSE4027	Teaching English 3	EDU	242
EDBT6611	Languages Curriculum 3	EDU	234	EDSE4028	Teaching Mathematics 3A	EDU	242
EDBT6612	Languages Curriculum 3 (Additional)	EDU	234	EDSE4029	Teaching Mathematics 3B	EDU	242
EDBT6613	Mathematics Curriculum 3	EDU	234	EDSE4030	Teaching Languages 3A	EDU	242
EDBT6614	Mathematics Curriculum 3 (Extension)	EDU	234	EDSE4031	Teaching Languages 3B	EDU	243
EDBT6615	Music Curriculum 3	EDU	235	EDSE4032	Teaching Computer Studies 3	EDU	243
EDBT6616	Music Curriculum 3 (Extension)	EDU	235	EDSE4033	Teaching Commerce/Economics 3	EDU	243
EDBT6617	Science Curriculum 3	EDU	235	EDSE4034	Teaching Science 3 (Core)	EDU	243
EDBT6618	Science Curriculum 3 (Extension)	EDU	235	EDSE4035	Teaching Science 4 (Sci Hist & Phil)	EDU	243
EDBT6619	Social Studies Curriculum 3	EDU	235	EDSE4041	Teaching Science Elective (Physics)	EDU	243
EDBT6620	TAS Curriculum 3	EDU	235	EDSE4042	Craft Knowledge and Prof Practices 3	EDU	244
EDBT6621	TAS Curriculum 3 (Extension)	EDU	235	EDSE4043	Professional Experience B	EDU	244
EDBT6622	TESOL Curriculum 3	EDU	235	EDSE4044	Information Technology in Schools	EDU	244
EDBT6623	School Psychology 3	EDU	236	EDSE5001	TESOL as a Third Teaching Area	EDU	244
EDGU2000	Teaching English Internationally 1	EDU	236	EDSE5008	Internship	EDU	244
EDGU3000	Teaching English Internationally 2	EDU	236	EDSE5009	TESOL Professional Experience	EDU	244
EDSE2001	Craft Knowledge and Prof Practices 1	EDU	236	EDSE5010	Meeting the Needs of Cultural Diversity	EDU	244
EDSE3037	Teaching Visual Arts 1A	EDU	236	EDSP3001	Teaching Practicum 1	EDU	245
EDSE3038	Teaching Visual Arts 1B	EDU	236	EDSP4001	Psychological and Educational Assessment	EDU	245
EDSE3040	Teaching History 1	EDU	236	EDSP4002	Behaviour Assessment and Interventions	EDU	245
EDSE3041	Teaching Geography 1	EDU	237	EDSP4003	Counselling Practicum 2	EDU	245
EDSE3042	Teaching Drama 1	EDU	237	EDSP4004	Teaching Practicum 2	EDU	245
EDSE3043	Teaching TESOL 1	EDU	237	EDSP5001	Counselling Children and Adolescents	EDU	245
EDSE3044	Teaching English 1	EDU	237	EDSP5002	Issues in School Counselling	EDU	246
EDSE3045	Teaching Mathematics 1A	EDU	237	EDSP5003	Counselling Practicum 3	EDU	246
EDSE3046	Teaching Mathematics 1B	EDU	237	EDSP5004	Counselling Practicum 4	EDU	246
EDSE3047	Teaching Languages 1A	EDU	237	EDUF1016	Science Foundations 1	EDU	246
EDSE3048	Teaching Languages 1B	EDU	238	EDUF1017	Science Foundations 2	EDU	246
EDSE3049	Teaching Computer Studies 1	EDU	238	EDUF1018	Education, Teachers and Teaching	EDU	246
EDSE3050	Teaching Commerce/Economics 1	EDU	238	EDUF1019	Human Development and Education	EDU	247

EDUF2006	Educational Psychology	EDU	247	EDUP2027	Beginning Professional Experiences	EDU	256
EDUF2007	Social Perspectives on Education	EDU	247	EDUP3001	PDHPE 2: Active Healthy Primary Schools	EDU	256
EDUF2553	Education Exchange	EDU	247	EDUP3002	Human Society and its Environment	EDU	256
EDUF3023	Sports, Leisure and Youth	EDU	247	EDUP3003	Teaching in Multilingual Classrooms	EDU	256
EDUF3026	Global Poverty and Education	EDU	248	EDUP3004	Mathematics 2: Space and Measurement	EDU	256
EDUF3027	International Education	EDU	248	EDUP3005	Investigating in Science and Technology	EDU	256
EDUF3028	Mentoring in Educational Contexts	EDU	248	EDUP3006	English: Becoming Literate	EDU	256
EDUF3029	Psychology of Learning and Teaching	EDU	248	EDUP3007	Professional Experiences 2 (Primary)	EDU	257
EDUF3030	Australian Secondary Schooling	EDU	248	EDUP3008	Creative Arts 2	EDU	257
EDUF3031	Positive Approaches to Special Education	EDU	249	EDUP3034	PDHPE 3: The Health Promoting School	EDU	257
EDUF3032	Curriculum and Evaluation	EDU	249	EDUP4007	Primary Languages A	EDU	257
EDUF3034	Australian Theatre, Film and Learning	EDU	249	EDUP4008	Primary Languages B	EDU	257
EDUF3035	Multicultural Learning and Teaching	EDU	249	EDUP4009	Special Education (A) Special Course	EDU	257
EDUF3036	Arts-Based Learning and Teaching	EDU	249	EDUP4010	Special Education (B) Special Course	EDU	257
EDUF3553	Education Exchange	EDU	249	EDUP4017	Professional Experiences 4 (Primary)	EDU	258
EDUF3554	Education Exchange	EDU	249	EDUP4062	Gifted and Talented Education A	EDU	258
EDUF4005	Research Honours A	EDU	249	EDUP4063	Gifted and Talented Education B	EDU	258
EDUF4006	Research Honours B	EDU	250	EDUP4066	IT in the Primary Classroom A	EDU	258
EDUF4044	Reading and Designing Research	EDU	250	EDUP4067	IT in the Primary Classroom B	EDU	258
EDUF4215	Education Honours 1	EDU	250	EDUP4068	TESOL (A) Special Course	EDU	258
EDUF4216	Education Honours 2	EDU	250	EDUP4069	TESOL (B) Special Course	EDU	258
EDUF4553	Education Exchange	EDU	251	EDUP4070	Integrated Arts (A) Special Course	EDU	259
EDUF5556	Education Exchange	EDU	251	EDUP4071	Integrated Arts (B) Special Course	EDU	259
EDUH1005	Professional Practice in PDHPE 1	EDU	251	EDUP4072	Koori Kids in School A (Special Course)	EDU	259
EDUH1006	Identifying Health Determinants	EDU	251	EDUP4073	Koori Kids in School B (Special Course)	EDU	259
EDUH1007	Pedagogy for Physical Education 1	EDU	251	EDUP4074	Mathematics Education 3	EDU	259
EDUH1016	Human Bioscience	SCI	251	EDUP4075	Science & Technology (Designing/Making)	EDU	259
EDUH1017	Sports Mechanics	SCI	251	EDUP4076	English: Being Critically Literate	EDU	259
EDUH2001	Applied Anatomy and Physiology	EDU	251	EDUP4077	Teaching Children with Special Needs	EDU	260
EDUH2005	Determinants of Health	EDU	252	EDUP4079	Professional Experiences 3 (Primary)	EDU	260
EDUH2008	Outdoor Education	EDU	252	EDUP4080	Human Society and its Environment 2	EDU	260
EDUH2009	Physical Education Pedagogy 2	EDU	252	ELEC1103	Fundamentals of Elec and Electronic Eng	ENG	260
EDUH2010	Professional Experiences in PDHPE 1	EDU	252	ELEC1601	Foundations of Computer Systems	ENG	260
EDUH3004	Psychosocial Health Issues	EDU	252	ELEC2004	Electrical Engineering: Foundations	ENG	260
EDUH3007	Professional Experiences in PDHPE 2	EDU	252	ELEC2103	Simulation & Numerical Solutions in Eng	ENG	261
EDUH3008	Physical Education Pedagogy 3	EDU	252	ELEC2104	Electronic Devices and Circuits	ENG	261
EDUH3009	Physical Education Pedagogy 4	EDU	253	ELEC2302	Signals and Systems	ENG	261
EDUH3014	Assessment and Evaluation in PDHPE	EDU	253	ELEC2602	Digital System Design	ENG	261
EDUH3027	Exercise Physiology	EDU	253	ELEC3104	Engineering Electromagnetics	ENG	261
EDUH3028	Adolescent Health Issues	EDU	253	ELEC3105	Circuit Theory and Design	ENG	261
EDUH4002	Physical Education Pedagogy 5	EDU	253	ELEC3203	Electricity Networks	ENG	262
EDUH4048	Professional Experiences in PDHPE 3	EDU	253	ELEC3204	Power Electronics and Applications	ENG	262
EDUH4050	Sports Medicine	EDU	254	ELEC3206	Electrical Energy Conversion Systems	ENG	262
EDUH4051	Community Health Issues	EDU	254	ELEC3304	Control	ENG	262
EDUH4052	Learning in Outdoor Education	EDU	254	ELEC3305	Digital Signal Processing	ENG	262
EDUH4053	Indigenous Sport, Education and Culture	EDU	254	ELEC3404	Electronic Circuit Design	ENG	263
EDUH4054	Issues in Nutrition Education	EDU	254	ELEC3405	Communications Electronics and Photonics	ENG	263
EDUH4055	Fitness Training: Theory and Practice	EDU	254	ELEC3505	Communications	ENG	263
EDUH4057	Administration of PDHPE and Sport	EDU	254	ELEC3506	Data Communications and the Internet	ENG	263
EDUH4058	Sport and Learning in Australian Culture	EDU	255	ELEC3607	Embedded Computing	ENG	263
EDUP1001	Creative Arts 1	EDU	255	ELEC3609	Internet Software Platforms	ENG	264
EDUP1002	Language, the Learner and the School	EDU	255	ELEC3610	E-Business Analysis and Design	ENG	264
EDUP2002	English: Learning to be Literate	EDU	255	ELEC3702	Management for Engineers	ENG	264
EDUP2004	PDHPE1: Physical Activity	EDU	255	ELEC3802	Fundamentals of Biomedical Engineering	ENG	264
EDUP2005	Mathematics 1: Exploring Early Number	EDU	255	ELEC3901	Electrical Exchange Unit 1A	ENG	264
EDUP2006	Indigenous Australian Education	EDU	255	ELEC3902	Electrical Exchange Unit 1B	ENG	265



ELEC3903	Electrical Exchange Unit 1C	ENG	265	EMUS2714	Early Music Performance 4 (Advanced)	CON	274
ELEC3904	Electrical Exchange Unit 2A	ENG	265	EMUS2723	Baroque Flute 3 (Advanced)	CON	274
ELEC3905	Electrical Exchange Unit 2B	ENG	265	EMUS2724	Baroque Flute 4 (Advanced)	CON	274
ELEC3906	Electrical Exchange Unit 2C	ENG	265	EMUS2733	Lute 3 (Advanced)	CON	274
ELEC4505	Digital Communication Systems	ENG	265	EMUS2734	Lute 4 (Advanced)	CON	275
ELEC4605	Computer Architecture	ENG	265	EMUS2743	Recorder 3 (Advanced)	CON	275
ELEC4702	Practical Experience	ENG	265	EMUS2744	Recorder 4 (Advanced)	CON	275
ELEC4706	Project Management	ENG	266	EMUS2753	Viola Da Gamba 3 (Advanced)	CON	275
ELEC4710	Engineering Project A	ENG	266	EMUS2754	Viola Da Gamba 4 (Advanced)	CON	275
ELEC4711	Engineering Project B	ENG	266	EMUS3605	Harpsichord 5	CON	275
ELEC4712	Honours Thesis A	ENG	266	EMUS3606	Harpsichord 6	CON	275
ELEC4713	Honours Thesis B	ENG	266	EMUS3615	Early Music Performance 5	CON	276
ELEC5203	Topics in Power Engineering	ENG	267	EMUS3616	Early Music Performance 6	CON	276
ELEC5204	Power Systems Analysis and Protection	ENG	267	EMUS3625	Baroque Flute 5	CON	276
ELEC5205	High Voltage Engineering	ENG	267	EMUS3626	Baroque Flute 6	CON	276
ELEC5618	Software Quality Engineering	ENG	267	EMUS3635	Lute 5	CON	276
ELEC5619	Object Oriented Application Frameworks	ENG	268	EMUS3636	Lute 6	CON	276
EMHU3001	Electron Microscopy and Imaging/Theory	MED	268	EMUS3645	Recorder 5	CON	277
EMHU3002	Electron Microscopy and Imaging/Prac	MED	268	EMUS3646	Recorder 6	CON	277
EMHU3551	Electron Microscopy Exchange	SCI	268	EMUS3655	Viola Da Gamba 5	CON	277
EMHU3552	Electron Microscopy Exchange	SCI	268	EMUS3656	Viola Da Gamba 6	CON	277
EMUS1601	Harpsichord 1	CON	269	EMUS4607	Harpsichord 7	CON	277
EMUS1602	Harpsichord 2	CON	269	EMUS4608	Harpsichord 8	CON	277
EMUS1611	Early Music Performance 1	CON	269	EMUS4617	Early Music Performance 7	CON	277
EMUS1612	Early Music Performance 2	CON	269	EMUS4618	Early Music Performance 8	CON	278
EMUS1621	Baroque Flute 1	CON	269	EMUS4627	Baroque Flute 7	CON	278
EMUS1622	Baroque Flute 2	CON	269	EMUS4628	Baroque Flute 8	CON	278
EMUS1631	Lute 1	CON	269	EMUS4637	Lute 7	CON	278
EMUS1632	Lute 2	CON	270	EMUS4638	Lute 8	CON	278
EMUS1641	Recorder 1	CON	270	EMUS4647	Recorder 7	CON	278
EMUS1642	Recorder 2	CON	270	EMUS4648	Recorder 8	CON	278
EMUS1651	Viola Da Gamba 1	CON	270	EMUS4657	Viola Da Gamba 7	CON	279
EMUS1652	Viola Da Gamba 2	CON	270	EMUS4658	Viola Da Gamba 8	CON	279
EMUS1661	Early Keyboard Class 1	CON	270	EMUS4707	Harpsichord 7 (Advanced)	CON	279
EMUS1662	Early Keyboard Class 2	CON	270	EMUS4708	Harpsichord 8 (Advanced)	CON	279
EMUS1671	Continuo 1	CON	271	EMUS4717	Early Music Performance 7 (Advanced)	CON	279
EMUS1672	Continuo 2	CON	271	EMUS4718	Early Music Performance 8 (Advanced)	CON	279
EMUS2603	Harpsichord 3	CON	271	EMUS4727	Baroque Flute 7 (Advanced)	CON	279
EMUS2604	Harpsichord 4	CON	271	EMUS4728	Baroque Flute 8 (Advanced)	CON	280
EMUS2613	Early Music Performance 3	CON	271	EMUS4737	Lute 7 (Advanced)	CON	280
EMUS2614	Early Music Performance 4	CON	272	EMUS4738	Lute 8 (Advanced)	CON	280
EMUS2623	Baroque Flute 3	CON	272	EMUS4747	Recorder 7 (Advanced)	CON	280
EMUS2624	Baroque Flute 4	CON	272	EMUS4748	Recorder 8 (Advanced)	CON	280
EMUS2633	Lute 3	CON	272	EMUS4757	Viola Da Gamba 7 (Advanced)	CON	280
EMUS2634	Lute 4	CON	272	EMUS4758	Viola Da Gamba 8 (Advanced)	CON	280
EMUS2643	Recorder 3	CON	272	ENGG1061	Advanced Engineering 1A	ENG	281
EMUS2644	Recorder 4	CON	272	ENGG1800	Engineering Disciplines (Intro) Stream A	ENG	281
EMUS2653	Viola Da Gamba 3	CON	273	ENGG1801	Engineering Computing	ENG	281
EMUS2654	Viola Da Gamba 4	CON	273	ENGG1802	Engineering Mechanics	ENG	281
EMUS2663	Early Keyboard Class 3	CON	273	ENGG1803	Professional Engineering 1	ENG	282
EMUS2664	Early Keyboard Class 4	CON	273	ENGG1805	Professional Engineering and IT	ENG	282
EMUS2673	Continuo 3	CON	273	ENGG2004	Engineering Studies B	ENG	282
EMUS2674	Continuo 4	CON	273	ENGG2005	Engineering Studies C	ENG	282
EMUS2703	Harpsichord 3 (Advanced)	CON	274	ENGG2008	Engineering Studies A	ENG	282
EMUS2704	Harpsichord 4 (Advanced)	CON	274	ENGG2062	Engineering Project: Business Plan 2 Adv	ENG	283
EMUS2713	Early Music Performance 3 (Advanced)	CON	274	ENGG3005	Engineering & Industrial Management Fund	ENG	283

ENGG3062	Technology Education (Advanced)	ENG	283	ENSE1019	Choir 3A	CON	292
ENGG4006	Adv Professional Eng Managemt & Practice	ENG	283	ENSE1021	Wind Symphony 2	CON	293
ENGG4061	Innovation/Technology Commercialisation	ENG	283	ENSE1022	Orchestral Studies 2	CON	293
ENGG4064	Advanced Engineering Design A	ENG	283	ENSE1618	Orchestral Studies 1	CON	293
ENGG4065	Advanced Engineering Design B	ENG	284	ENSE1619	Orchestral Studies 2	CON	293
ENGL1002	Narratives of Romance and Adventure	ARTS	284	ENSE2000	Accompaniment 3	CON	294
ENGL1007	Language, Texts and Time	ARTS	284	ENSE2001	Accompaniment 4	CON	294
ENGL1008	Australian Texts: International Contexts	ARTS	284	ENSE2002	Chamber Music 3	CON	294
ENGL1025	Fiction, Film and Power	ARTS	284	ENSE2003	Choir 4A	CON	294
ENGL1801	English Exchange	ARTS	284	ENSE2004	Chamber Music 4	CON	294
ENGL1802	English Exchange	ARTS	285	ENSE2005	Orchestral Studies 3	CON	294
ENGL2623	Twentieth Century Literature: Modernism	ARTS	285	ENSE2008	Choir 5A	CON	295
ENGL2629	Victorian Literature	ARTS	285	ENSE2010	Wind Symphony 3	CON	295
ENGL2638	Literature and Cinema	ARTS	285	ENSE2012	Choir 7A	CON	295
ENGL2640	Shakespeare	ARTS	285	ENSE2014	Wind Symphony 4	CON	295
ENGL2652	Modern Rhetoric	ARTS	285	ENSE2016	Orchestral Studies 4	CON	295
ENGL2653	Varieties of English Grammar	ARTS	285	ENSE3004	Chamber Music 5	CON	295
ENGL2657	Myths, Legends and Heroes	ARTS	286	ENSE3005	Chamber Music 6	CON	296
ENGL2658	Love and Desire in Early Modern England	ARTS	286	ENSE3009	Wind Symphony 5	CON	296
ENGL2659	The 18th Century: Scandal & Sociability	ARTS	286	ENSE3013	Wind Symphony 6	CON	296
ENGL2660	Reading the Nation: Modern U.S. Writing	ARTS	286	ENSE3016	Choir 6A	CON	296
ENGL2811	English Exchange	ARTS	286	ENSE3017	Orchestral Studies 5	CON	296
ENGL2812	English Exchange	ARTS	286	ENSE3018	Orchestral Studies 6	CON	296
ENGL2813	English Exchange	ARTS	286	ENSE3021	Studio Rehearsal 1	CON	297
ENGL2814	English Exchange	ARTS	287	ENSE3022	Studio Rehearsal 2	CON	297
ENGL2815	English Exchange	ARTS	287	ENSE4006	Chamber Music 7	CON	297
ENGL2816	English Exchange	ARTS	287	ENSE4007	Chamber Music 8	CON	297
ENGL2817	English Exchange	ARTS	287	ENSE4010	Wind Symphony 7	CON	297
ENGL2818	English Exchange	ARTS	287	ENSE4014	Wind Symphony 8	CON	297
ENGL3604	Cinematic Modernism	ARTS	287	ENSE4020	Choir 8A	CON	297
ENGL3605	Canonical Poetry	ARTS	287	ENSE4021	Orchestral Studies 7	CON	298
ENGL3606	Fantastical Women	ARTS	287	ENSE4022	Orchestral Studies 8	CON	298
ENGL3612	English Language and Literary Theory B	ARTS	288	ENSE4023	Studio Rehearsal 3	CON	298
ENGL3633	Introduction to Old English	ARTS	288	ENSE4024	Studio Rehearsal 4	CON	298
ENGL3634	Continuing Old English	ARTS	288	ENTO2001	Agricultural Entomology	AG	298
ENGL3635	Introduction to Old Norse	ARTS	288	ENTO2002	Entomology and Parasitology	AG	299
ENGL3636	Continuing Old Norse	ARTS	288	ENTO4003	Integrated Pest Management	AG	299
ENGL3643	The Canterbury Tales	ARTS	288	ENTO4004	Insect Taxonomy and Systematics	AG	299
ENGL3651	Studies in Early Modern English A	ARTS	289	ENVI2111	Conservation Biology and Applied Ecology	SCI	299
ENGL3652	Studies in Early Modern English B	ARTS	289	ENVI2112	Atmospheric Processes and Climate	SCI	299
ENGL3661	The Long Nineteenth Century A	ARTS	289	ENVI2552	Environmental Science Exchange	SCI	300
ENGL3662	The Long Nineteenth Century B	ARTS	289	ENVI2553	Environmental Science Exchange	SCI	300
ENGL3962	English: The Text and the Critic	ARTS	289	ENVI2911	Conservation Biology (Advanced)	SCI	300
ENGL3964	English Studies: Research Methods	ARTS	289	ENVI3111	Environmental Law and Ethics	SCI	300
ENGL4101	English Honours A	ARTS	290	ENVI3112	Environmental Assessment	SCI	300
ENGL4102	English Honours B	ARTS	291	ENVI3114	Energy and the Environment	SCI	300
ENGL4103	English Honours C	ARTS	291	ENVI3551	Environmental Science Exchange	SCI	300
ENGL4104	English Honours D	ARTS	291	ENVI3552	Environmental Science Exchange	SCI	301
ENSE1000	Accompaniment 1	CON	291	ENVI4011	Environmental Studies Honours A	SCI	301
ENSE1001	Accompaniment 2	CON	291	ENVI4012	Environmental Studies Honours B	SCI	301
ENSE1002	Choir 2A	CON	291	ENVI4013	Environmental Studies Honours C	SCI	301
ENSE1005	Chamber Music 1	CON	292	ENVI4014	Environmental Studies Honours D	SCI	301
ENSE1007	Chamber Music 2	CON	292	ENVX3001	Environmental GIS	AG	301
ENSE1015	Choir 1	CON	292	ENVX4001	GIS, Remote Sensing and Land Management	AG	301
ENSE1017	Wind Symphony 1	CON	292	ENVX4002	Environmetrics 4	AG	302
ENSE1018	Orchestral Studies 1	CON	292	EUST2611	European & Middle Eastern Myth & Legend	ARTS	302

EUST2612	Regionalisms in Europe & the Middle East	ARTS	302	<b>F</b>		
EUST2613	Romanticism and Revolution	ARTS	302	FCHN3013	Research in Nursing	NURS 311
EUST2805	European Studies Exchange	ARTS	302	FCNU2002	Family Health Nursing	NURS 311
EUST2806	European Studies Exchange	ARTS	302	FCNU2003	Chronicity and Palliation in Nursing	NURS 311
EUST2807	European Studies Exchange	ARTS	302	FCNU3001	Complex Mental Health Nursing	NURS 311
EUST2808	European Studies Exchange	ARTS	302	FCNU3002	Community Health Nursing	NURS 311
EUST4011	European Studies Honours A	ARTS	303	FCNU3009	Older Adults: Acute Care	NURS 311
EUST4012	European Studies Honours B	ARTS	303	FILM2810	Film Studies Exchange	ARTS 312
EUST4013	European Studies Honours C	ARTS	303	FILM2811	Film Studies Exchange	ARTS 312
EUST4014	European Studies Honours D	ARTS	303	FILM2812	Film Studies Exchange	ARTS 312
EXCH2004	SCA Exchange	SCA	303	FILM2813	Film Studies Exchange	ARTS 312
EXCH3004	SCA Exchange	SCA	303	FILM2814	Film Studies Exchange	ARTS 312
EXCH4004	SCA Exchange	SCA	303	FILM2815	Film Studies Exchange	ARTS 312
EXSS1018	Biomechanics of Human Movement	HSCI	303	FILM4101	Film Studies Honours A	ARTS 312
EXSS1026	Biomechanics A	HSCI	303	FILM4102	Film Studies Honours B	ARTS 312
EXSS1027	Biomechanics B	HSCI	303	FILM4103	Film Studies Honours C	ARTS 312
EXSS1028	Muscle Mechanics	HSCI	303	FILM4104	Film Studies Honours D	ARTS 312
EXSS1029	Muscle Mechanics and Training	HSCI	304	FINC2011	Corporate Finance I	E&B 313
EXSS1031	Cell Metabolism and Biochemistry	HSCI	304	FINC2012	Corporate Finance II	E&B 313
EXSS1032	Fundamentals of Exercise Science	HSCI	304	FINC2013	Introductory Mathematical Finance	E&B 313
EXSS1033	Principles of Exercise Science	HSCI	304	FINC2192	Finance 2 Honours	E&B 313
EXSS1035	Performance Analysis	HSCI	304	FINC2551	Finance Exchange	E&B 313
EXSS2015	Kinesiology for Occupational Therapy	HSCI	304	FINC2552	Finance Exchange	E&B 313
EXSS2016	Motor Control	HSCI	305	FINC3011	International Financial Management	E&B 313
EXSS2017	Biochemistry of Exercise	HSCI	305	FINC3012	Derivative Securities	E&B 313
EXSS2018	Biomechanical Analysis of Movement	HSCI	305	FINC3013	Mergers and Acquisitions	E&B 314
EXSS2019	Exercise Physiology - Acute Responses	HSCI	305	FINC3014	Trading and Dealing in Security Markets	E&B 314
EXSS2021	Nutrition, Health and Performance	HSCI	305	FINC3015	Financial Valuation: Case Study Approach	E&B 314
EXSS2022	Exercise Physiology Training Adaptations	HSCI	305	FINC3017	Investments and Portfolio Management	E&B 314
EXSS2024	Applied Physiology	HSCI	306	FINC3018	Bank Financial Management	E&B 314
EXSS2025	Motor Control and Learning	HSCI	306	FINC3193	Finance 3 Honours (Corporate Finance)	E&B 314
EXSS2026	Growth, Development and Ageing	HSCI	306	FINC3194	Finance 3 Honours (Securities Markets)	E&B 314
EXSS2027	Exercise Physiology for Clinicians	HSCI	306	FINC3551	Finance Exchange	E&B 315
EXSS2028	Exercise Physiology and Biochemistry	HSCI	306	FINC3552	Finance Exchange	E&B 315
EXSS3019	Applied Physiology	HSCI	306	FINC3553	Finance Exchange	E&B 315
EXSS3023	Exercise Testing and Prescription	HSCI	307	FINC3554	Finance Exchange	E&B 315
EXSS3024	Exercise, Health and Disease	HSCI	307	FINC4101	Finance Honours A	E&B 315
EXSS3027	Exercise and Rehabilitation	HSCI	307	FINC4102	Finance Honours B	E&B 315
EXSS3036	Research and Practice	HSCI	307	FINC4103	Finance Honours C	E&B 315
EXSS3037	Exercise Pharmacology & Immunology	HSCI	307	FINC4104	Finance Honours D	E&B 315
EXSS3038	Ergonomics	HSCI	307	FINC9001	Finance Extension	E&B 315
EXSS3040	Physiological Testing and Training	HSCI	307	FINC9002	Finance Extension	E&B 315
EXSS3041	Management, Marketing and the Law	HSCI	308	FINC9003	Finance Extension	E&B 315
EXSS3042	Nutrition for Health, Exercise & Sport	HSCI	308	FINC9004	Finance Extension	E&B 315
EXSS3043	High Performance Coaching	HSCI	308	FRES1001	Research A	SCA 316
EXSS3044	Biomechanics of Sports Techniques	HSCI	308	FRES1002	Research B	SCA 316
EXSS3045	Professional Practice	HSCI	308	FRNC1611	Junior French Introductory 1	ARTS 316
EXSS3046	Clinical Exercise Practice	HSCI	309	FRNC1612	Junior French Introductory 2	ARTS 316
EXSS3047	Nutrition Practice for Health & Exercise	HSCI	309	FRNC1621	Junior French Intermediate 3	ARTS 316
EXSS3048	Applied Nutrition	HSCI	309	FRNC1622	Junior French Intermediate 4	ARTS 316
EXSS3801	Exercise and Sport Exchange	HSCI	309	FRNC1631	Junior French Advanced 5	ARTS 316
EXSS3802	Exercise and Sport Exchange	HSCI	309	FRNC1632	Junior French Advanced 6	ARTS 317
EXSS3803	Exercise and Sport Exchange	HSCI	309	FRNC1801	French Exchange	ARTS 317
EXSS3804	Exercise and Sport Exchange	HSCI	309	FRNC1802	French Exchange	ARTS 317
EXSS4004	Honours Thesis A	HSCI	310	FRNC2611	Senior French Intermediate 1	ARTS 317
EXSS4005	Honours Thesis B	HSCI	310	FRNC2612	Senior French Intermediate 2	ARTS 317

FRNC2614	French Reading 1: Text and Society	ARTS	317	GCST2815	Cultural Studies Exchange	ARTS	323
FRNC2615	Literature and Theatre	ARTS	317	GCST2816	Cultural Studies Exchange	ARTS	324
FRNC2621	Senior French Intermediate 3	ARTS	318	GCST2817	Cultural Studies Exchange	ARTS	324
FRNC2622	Senior French Intermediate 4	ARTS	318	GCST2818	Cultural Studies Exchange	ARTS	324
FRNC2651	Introduction la Linguistique	ARTS	318	GCST2819	Cultural Studies Exchange	ARTS	324
FRNC2666	Research Methods in French Studies	ARTS	318	GCST3601	Gender, Race and Australian Identities	ARTS	324
FRNC2681	French Narrative Cinema	ARTS	318	GCST3603	Consumer Cultures	ARTS	324
FRNC2682	The Legend of the Holy Grail	ARTS	318	GCST3604	Cultural Theory	ARTS	324
FRNC2803	French Exchange	ARTS	318	GCST4101	Arguing the Point	ARTS	324
FRNC2804	French Exchange	ARTS	318	GCST4102	Research Skills	ARTS	324
FRNC2805	French Exchange	ARTS	319	GCST4103	Gender Studies Honours Seminar A	ARTS	325
FRNC2806	French Exchange	ARTS	319	GCST4104	Gender Studies Honours Seminar B	ARTS	325
FRNC2807	French Exchange	ARTS	319	GCST4105	Gender Studies Honours Thesis A	ARTS	325
FRNC2808	French Exchange	ARTS	319	GCST4106	Gender Studies Honours Thesis B	ARTS	325
FRNC3621	Senior French Advanced 5	ARTS	319	GCST4107	Gender Studies Honours Thesis C	ARTS	325
FRNC3622	Senior French Advanced 6	ARTS	319	GCST4108	Gender Studies Honours Thesis D	ARTS	325
FRNC3631	Senior French Advanced 7	ARTS	319	GCST4111	Cultural Studies Honours Seminar A	ARTS	325
FRNC3653	French Translation	ARTS	319	GCST4112	Cultural Studies Honours Seminar B	ARTS	325
FRNC3655	French Sociolinguistics	ARTS	319	GCST4113	Cultural Studies Honours Thesis A	ARTS	325
FRNC3672	Francophone Studies 2	ARTS	320	GCST4114	Cultural Studies Honours Thesis B	ARTS	325
FRNC3801	French In-Country Study	ARTS	320	GCST4115	Cultural Studies Honours Thesis C	ARTS	325
FRNC4011	French Honours A	ARTS	320	GCST4116	Cultural Studies Honours Thesis D	ARTS	325
FRNC4012	French Honours B	ARTS	320	GDMP1011	Basic and Clinical Sciences 1	MED	326
FRNC4013	French Honours C	ARTS	320	GDMP1012	Patient and Doctor 1	MED	326
FRNC4014	French Honours D	ARTS	320	GDMP1013	Population Medicine 1	MED	326
				GDMP1014	Personal and Professional Development 1	MED	326
				GDMP1021	Basic and Clinical Sciences 2	MED	326
				GDMP1022	Patient and Doctor 2	MED	326
				GDMP1023	Population Medicine 2	MED	326
				GDMP1024	Personal and Professional Development 2	MED	326
				GDMP2011	Basic and Clinical Sciences 3	MED	327
				GDMP2012	Patient and Doctor 3	MED	327
				GDMP2013	Population Medicine 3	MED	327
				GDMP2014	Personal and Professional Development 3	MED	327
				GDMP2021	Basic and Clinical Sciences 4	MED	327
				GDMP2022	Patient and Doctor 4	MED	327
				GDMP2023	Population Medicine 4	MED	327
				GDMP2024	Personal and Professional Development 4	MED	327
				GDMP2025	Independent Learning Activity	MED	327
				GDMP3012	Basic and Clinical Sciences 5	MED	327
				GDMP3013	Patient and Doctor 5	MED	327
				GDMP3014	Community and Doctor 5	MED	328
				GDMP3015	Personal and Professional Development 5	MED	328
				GDMP3022	Basic and Clinical Sciences 6	MED	328
				GDMP3023	Patient and Doctor 6	MED	328
				GDMP3024	Community and Doctor 6	MED	328
				GDMP3025	Personal and Professional Development 6	MED	328
				GDMP3101	Medicine Year Three	MED	328
				GDMP3102	Medicine Year Four	MED	328
				GDMP3103	Surgery	MED	328
				GDMP3104	Critical Care	MED	328
				GDMP3105	Community	MED	328
				GDMP3106	Psychological and Addiction Medicine	MED	329
				GDMP3107	Perinatal and Women's Health	MED	329
				GDMP3108	Child and Adolescent Health	MED	329
				GDMP3109	Elective	MED	329
<b>G</b>							
GBST2601	Global Studies, Society, Culture, Nation	ARTS	321				
GBST2602	Human Rights & the Global Public Sphere	ARTS	321				
GBST2604	Global Communication	ARTS	321				
GBST2801	Global Studies Exchange 1	ARTS	321				
GBST2802	Global Studies Exchange 2	ARTS	321				
GBST2803	Global Studies Exchange 3	ARTS	321				
GBST2804	Global Studies Exchange 4	ARTS	321				
GBST2805	Global Studies Exchange 5	ARTS	321				
GBST2806	Global Studies Exchange 6	ARTS	321				
GBST2807	Global Studies Exchange 7	ARTS	321				
GBST2808	Global Studies Exchange 8	ARTS	321				
GCST2601	Introducing Media and Popular Culture	ARTS	322				
GCST2602	Suffragettes to Cyborgs	ARTS	322				
GCST2603	Animal/Human Cultures	ARTS	322				
GCST2604	Sex, Violence and Transgression	ARTS	322				
GCST2606	Genres in Cultural Context	ARTS	322				
GCST2607	Bodies, Sexualities, Identities	ARTS	322				
GCST2608	Gender, Communities and Difference	ARTS	322				
GCST2609	Cultures of Masculinities	ARTS	322				
GCST2610	Intimacy, Love and Friendship	ARTS	323				
GCST2612	Youth Cultures: Images & Ideas of Youth	ARTS	323				
GCST2804	Gender Studies Exchange	ARTS	323				
GCST2805	Gender Studies Exchange	ARTS	323				
GCST2806	Gender Studies Exchange	ARTS	323				
GCST2810	Gender Studies Exchange	ARTS	323				
GCST2811	Gender Studies Exchange	ARTS	323				
GCST2812	Cultural Studies Exchange	ARTS	323				
GCST2813	Cultural Studies Exchange	ARTS	323				
GCST2814	Cultural Studies Exchange	ARTS	323				

GDMP4011	Child and Adolescent Health	MED	329	GEOL4014	Geology Honours D	SCI	336
GDMP4012	Perinatal and Women's Health	MED	329	GEOP4011	Geophysics Honours A	SCI	336
GDMP4013	Community Practice	MED	329	GEOP4012	Geophysics Honours B	SCI	336
GDMP4014	Psychological and Addiction Medicine	MED	329	GEOP4013	Geophysics Honours C	SCI	336
GDMP4015	Elective	MED	329	GEOP4014	Geophysics Honours D	SCI	336
GDMP4025	Pre-Internship Term	MED	330	GEOS1001	Earth, Environment and Society	SCI	336
GDMP4110	Honours/ Research Project	MED	330	GEOS1002	Introductory Geography	SCI	337
GENE2001	Agricultural Genetics 2	AG	330	GEOS1003	Introduction to Geology	SCI	337
GENE4011	Plant Cytogenetics	AG	330	GEOS1901	Earth, Environment and Society Advanced	SCI	337
GENE4012	Plant Breeding	AG	330	GEOS1902	Introductory Geography (Advanced)	SCI	337
GENE4013	Molecular Genetics and Breeding	AG	330	GEOS1903	Introduction to Geology (Advanced)	SCI	337
GENE4014	Population and Quantative Genetics	AG	330	GEOS2111	Natural Hazards: a GIS Approach	SCI	337
GENS1000	Education 1: Introduction to Teaching	CON	330	GEOS2112	Economic Geography of Global Development	SCI	338
GENS1001	Education 2: Educational Psychology	CON	331	GEOS2113	Making the Australian Landscape	SCI	338
GENS2000	Education 3: Developmental Psychology	CON	331	GEOS2114	Volcanoes, Hot Rocks and Minerals	SCI	338
GENS2001	Education 4: Studies in Teaching	CON	331	GEOS2115	Oceans, Coasts and Climate Change	SCI	338
GENS2002	Practical Stagecraft	CON	331	GEOS2121	Environmental and Resource Management	SCI	338
GENS2004	Historical and Cultural Studies 1	CON	331	GEOS2122	Urban Geography	SCI	339
GENS2005	Historical and Cultural Studies 2	CON	332	GEOS2124	Fossils and Tectonics	SCI	339
GENS3000	Education 5: Philosophy and History	CON	332	GEOS2911	Natural Hazards: a GIS Approach Advanced	SCI	339
GENS3001	Education 6: Curriculum- Theory & Design	CON	332	GEOS2912	Economic Geography of Global Dev. Adv.	SCI	339
GENS3004	Historical and Cultural Studies 3	CON	332	GEOS2913	Making the Australian Landscape Advanced	SCI	339
GENS3005	Historical and Cultural Studies 4	CON	332	GEOS2914	Volcanoes, Hot Rocks and Minerals Adv	SCI	339
GENS4001	Education 7: Individual Differences	CON	332	GEOS2915	Oceans, Coasts and Climate Change (Adv)	SCI	340
GEOG1551	Geography Exchange	SCI	333	GEOS2921	Environmental & Resource Management Adv	SCI	340
GEOG1552	Geography Exchange	SCI	333	GEOS2922	Urban Geography (Advanced)	SCI	340
GEOG2321	Fluvial and Groundwater Geomorphology	SCI	333	GEOS2924	Fossils and Tectonics (Advanced)	SCI	340
GEOG2556	Geography Exchange	SCI	333	GEOS3008	Field Geology and Geophysics	SCI	340
GEOG2557	Geography Exchange	SCI	333	GEOS3009	Coastal Environments & Processes	SCI	340
GEOG2558	Geography Exchange	SCI	333	GEOS3014	GIS in Coastal Management	SCI	341
GEOG2559	Geography Exchange	SCI	333	GEOS3015	Environmental Geomorphology	SCI	341
GEOG3521	Sustainable Cities	SCI	333	GEOS3018	Rivers: Science, Policy and Management	SCI	341
GEOG3551	Geography Exchange	SCI	334	GEOS3053	Asia-Pacific Field School-Assessment A	SCI	341
GEOG3552	Geography Exchange	SCI	334	GEOS3054	Asia-Pacific Field School-Assessment B	SCI	342
GEOG3553	Geography Exchange	SCI	334	GEOS3101	Earth's Structure and Evolution	SCI	342
GEOG3554	Geography Exchange	SCI	334	GEOS3102	Global Energy and Resources	SCI	342
GEOG3555	Geography Exchange	SCI	334	GEOS3103	Environmental & Sedimentary Geology	SCI	342
GEOG3921	Sustainable Cities (Adv)	SCI	334	GEOS3104	Geophysical Methods	SCI	342
GEOG4011	Geography Honours A	SCI	334	GEOS3513	Regional Development and Environment	SCI	343
GEOG4012	Geography Honours B	SCI	334	GEOS3522	Cities and Citizenship	SCI	343
GEOG4013	Geography Honours C	SCI	334	GEOS3551	Geoscience Exchange	SCI	343
GEOG4014	Geography Honours D	SCI	334	GEOS3552	Geoscience Exchange	SCI	343
GEOL1501	Engineering Geology 1	SCI	335	GEOS3553	Geoscience Exchange	SCI	343
GEOL1551	Geology Exchange	SCI	335	GEOS3554	Geoscience Exchange	SCI	343
GEOL1552	Geology Exchange	SCI	335	GEOS3801	Earth's Structure and Evolutions (Adv)	SCI	343
GEOL2554	Geology Exchange	SCI	335	GEOS3802	Global Energy and Resources (Adv)	SCI	344
GEOL2555	Geology Exchange	SCI	335	GEOS3803	Environmental & Sedimentary Geology (Adv)	SCI	344
GEOL2556	Geology Exchange	SCI	335	GEOS3804	Geophysical Methods (Advanced)	SCI	344
GEOL2557	Geology Exchange	SCI	335	GEOS3908	Field Geology and Geophysics (Advanced)	SCI	344
GEOL3551	Geology Exchange	SCI	335	GEOS3909	Coastal Environments and Processes (Adv)	SCI	344
GEOL3552	Geology Exchange	SCI	335	GEOS3913	Regional Development & Environment (Adv)	SCI	344
GEOL3553	Geology Exchange	SCI	336	GEOS3914	GIS in Coastal Management (Advanced)	SCI	345
GEOL3554	Geology Exchange	SCI	336				
GEOL4011	Geology Honours A	SCI	336				
GEOL4012	Geology Honours B	SCI	336				
GEOL4013	Geology Honours C	SCI	336				



HBRW2641	Aramaic 1	ARTS	361	HPSC3022	Science and Society	SCI	369
HBRW2642	Aramaic 2	ARTS	361	HPSC3023	Psychology & Psychiatry: History & Phil	SCI	369
HBRW2651	Syriac 1	ARTS	362	HPSC3024	Science and Ethics	SCI	369
HBRW2652	Syriac 2	ARTS	362	HPSC3551	History & Philosophy of Science Exchange	SCI	369
HBRW2661	Akkadian Language 1	ARTS	362	HPSC3552	History & Philosophy of Science Exchange	SCI	369
HBRW2662	Akkadian Language 2	ARTS	362	HPSC3553	History & Philosophy of Science Exchange	SCI	369
HBRW4011	Hebrew (Classical) Honours A	ARTS	362	HPSC4101	Philosophy of Science	SCI	370
HBRW4012	Hebrew (Classical) Honours B	ARTS	362	HPSC4102	History of Science	SCI	370
HBRW4013	Hebrew (Classical) Honours C	ARTS	362	HPSC4103	Sociology of Science	SCI	370
HBRW4014	Hebrew (Classical) Honours D	ARTS	362	HPSC4104	Recent Topics in HPS	SCI	370
HBRW4021	Hebrew (Modern) Honours A	ARTS	362	HPSC4105	HPS Research Methods	SCI	370
HBRW4022	Hebrew (Modern) Honours B	ARTS	363	HPSC4108	Core topics: History & Philosophy of Sci	SCI	370
HBRW4023	Hebrew (Modern) Honours C	ARTS	363	HPSC4201	HPS Research Project 1	SCI	371
HBRW4024	Hebrew (Modern) Honours D	ARTS	363	HPSC4202	HPS Research Project 2	SCI	371
HIMT1051	Introduction to Management Principles	HSCI	363	HPSC4203	HPS Research Project 3	SCI	371
HIMT3054	Medical Science C	HSCI	363	HPSC4204	HPS Research Project 4	SCI	371
HIMT3055	Casemix/Practical Coding	HSCI	363	HPSC4999	History & Philosophy of Science Honours	SCI	371
HIMT3056	Management Principles and Practice B	HSCI	363	HRTG2601	Approaching Heritage Studies	ARTS	371
HIMT3057	Database Theory and Applications	HSCI	363	HRTG2602	The Museum and Cultural Heritage	ARTS	371
HIMT3058	Professional Practice B	HSCI	363	HRTG2804	Heritage Studies Exchange	ARTS	371
HIMT3059	Introductory Epidemiology	HSCI	364	HRTG2805	Heritage Studies Exchange	ARTS	371
HIMT3060	Essentials of Classifications A	HSCI	364	HRTG2806	Heritage Studies Exchange	ARTS	372
HIMT3061	Legal Aspects of Health Care	HSCI	364	HRTG2809	Heritage Studies Exchange	ARTS	372
HIMT3062	Managing Human Resources	HSCI	364	HRTG2810	Heritage Studies Exchange	ARTS	372
HIMT3063	Health Informatics D	HSCI	364	HRTG3602	Social History and Heritage Studies	ARTS	372
HIMT4050	Essentials of Classification B	HSCI	364	HSBH1003	Health, Behaviour and Society	HSCI	372
HIMT4051	Financial Management in Health Services	HSCI	365	HSBH1005	Human Development	HSCI	372
HIMT4052	Contemporary Issues: Health Info A	HSCI	365	HSBH1006	Foundations of Health Science	HSCI	372
HIMT4053	Contemporary Issues: Health Info B	HSCI	365	HSBH1007	Health Science and Research	HSCI	372
HIMT4054	Professional Practice C	HSCI	365	HSBH1008	Health Determinants and Interventions	HSCI	372
HIMT4055	Research Project I	HSCI	365	HSBH1009	Health Care Resources and Systems	HSCI	373
HIMT4056	Research Project II	HSCI	365	HSBH2001	Health Science and Research 2	HSCI	373
HIUR2601	Hindi and Urdu Intermediate 1	ARTS	365	HSBH3001	Health and Indigenous Populations	HSCI	373
HIUR2602	Hindi and Urdu Intermediate 2	ARTS	365	HSBH3003	Health Service Strategy and Policy	HSCI	373
HIUR3601	Hindi and Urdu Advanced 1	ARTS	365	HSBH3004	Health, Ethics and the Law	HSCI	373
HIUR3602	Hindi and Urdu Advanced 2	ARTS	366	HSBH3006	Research Methods in Health	HSCI	373
HONS4000	Joint Honours	PAN	366	HSBH3009	International Health Project	HSCI	373
HORT2002	Horticultural Science 2	AG	366	HSBM1002	Principles of Human Body Systems A	HSCI	374
HORT3005	Production Horticulture	AG	366	HSBM1003	Principles of Human Body Systems B	HSCI	374
HORT4004	Issues in Horticultural Science 4A	AG	366	HSBM4001	Sexology/Sexual Hlth: Global Perspective	HSCI	374
HORT4005	Research and Practice in Hort Science	AG	366	HSEL2102	Health Science Elective 1	HSCI	374
HPSC1000	Bioethics	SCI	366	HSEL2103	Health Science Elective 5	HSCI	374
HPSC1551	History & Philosophy of Science Exchange	SCI	367	HSEL2104	Health Science Elective 9	HSCI	374
HPSC1900	Bioethics (Advanced)	SCI	367	HSEL2106	Health Science Elective 13	HSCI	374
HPSC2100	The Birth of Modern Science	SCI	367	HSEL2112	Health Science Elective 33	HSCI	374
HPSC2101	What Is This Thing Called Science?	SCI	367	HSEL2113	Health Science Elective 34	HSCI	374
HPSC2551	History & Philosophy of Science Exchange	SCI	367	HSEL2114	Health Science Elective 35	HSCI	375
HPSC2552	History & Philosophy of Science Exchange	SCI	367	HSEL2116	Health Science Elective 36	HSCI	375
HPSC2553	History & Philosophy of Science Exchange	SCI	367	HSEL2202	Health Science Elective 2	HSCI	375
HPSC2554	History & Philosophy of Science Exchange	SCI	368	HSEL2203	Health Science Elective 6	HSCI	375
HPSC2555	History & Philosophy of Science Exchange	SCI	368	HSEL2204	Health Science Elective 10	HSCI	375
HPSC2900	The Birth of Modern Science (Advanced)	SCI	368	HSEL2206	Health Science Elective 14	HSCI	375
HPSC2901	What Is This Thing Called Science? (Adv)	SCI	368	HSEL2302	Health Science Elective 3	HSCI	375
HPSC3002	History of Biological/Medical Sciences	SCI	368	HSEL2303	Health Science Elective 7	HSCI	375
HPSC3016	The Scientific Revolution	SCI	368	HSEL2304	Health Science Elective 11	HSCI	375
HPSC3021	Philosophy and Sociology of Biology	SCI	368	HSEL2306	Health Science Elective 15	HSCI	375

HSEL2402	Health Science Elective 4	HSCI	375	HSTY2619	Living in Colonial Australia	ARTS	380
HSEL2403	Health Science Elective 8	HSCI	375	HSTY2626	Fascism and Antifascism	ARTS	380
HSEL2404	Health Science Elective 12	HSCI	375	HSTY2629	Sex and Scandal	ARTS	380
HSEL2406	Health Science Elective 16	HSCI	375	HSTY2634	Columbus to Lincoln: America Before 1865	ARTS	381
HSEL3102	Health Science Elective 17	HSCI	375	HSTY2640	Twentieth Century China	ARTS	381
HSEL3103	Health Science Elective 21	HSCI	375	HSTY2645	Invisible Cities: Imagining Urban Italy	ARTS	381
HSEL3104	Health Science Elective 25	HSCI	375	HSTY2651	Spanish Civil War	ARTS	381
HSEL3106	Health Science Elective 29	HSCI	376	HSTY2659	Nationalism	ARTS	381
HSEL3112	Health Science Elective 37	HSCI	376	HSTY2660	Violence in Italy	ARTS	381
HSEL3113	Health Science Elective 38	HSCI	376	HSTY2664	Communicating Culture in the Middle Ages	ARTS	381
HSEL3114	Health Science Elective 39	HSCI	376	HSTY2666	American Revolutions	ARTS	382
HSEL3116	Health Science Elective 40	HSCI	376	HSTY2667	Politics and Cultures of US Imperialism	ARTS	382
HSEL3202	Health Science Elective 18	HSCI	376	HSTY2672	Britain and the World: C.1837-1914	ARTS	382
HSEL3203	Health Science Elective 22	HSCI	376	HSTY2676	Australia and the World	ARTS	382
HSEL3204	Health Science Elective 26	HSCI	376	HSTY2677	Australia: Politics and Nation	ARTS	382
HSEL3206	Health Science Elective 30	HSCI	376	HSTY2679	Advanced Australia	ARTS	382
HSEL3302	Health Science Elective 19	HSCI	376	HSTY2680	Living: Modern British Social History	ARTS	382
HSEL3303	Health Science Elective 23	HSCI	376	HSTY2681	Colonialism in Modern Asia	ARTS	383
HSEL3304	Health Science Elective 27	HSCI	376	HSTY2682	Portraits of Medieval Women	ARTS	383
HSEL3306	Health Science Elective 31	HSCI	376	HSTY2691	Writing History	ARTS	383
HSEL3402	Health Science Elective 20	HSCI	376	HSTY2805	History Exchange	ARTS	383
HSEL3403	Health Science Elective 24	HSCI	376	HSTY2806	History Exchange	ARTS	383
HSEL3404	Health Science Elective 28	HSCI	376	HSTY2809	History Exchange	ARTS	383
HSEL3406	Health Science Elective 32	HSCI	376	HSTY2810	History Exchange	ARTS	383
HSIP2999	International Professional Practice	HSCI	377	HSTY2811	History Exchange	ARTS	383
HSIP3999	International Professional Practice	HSCI	377	HSTY4011	History Honours A	ARTS	383
HSIP4999	International Professional Practice	HSCI	377	HSTY4012	History Honours B	ARTS	383
HSSX2801	Health Sciences Exchange	HSCI	377	HSTY4013	History Honours C	ARTS	383
HSSX2802	Health Sciences Exchange	HSCI	377	HSTY4014	History Honours D	ARTS	384
HSSX2803	Health Sciences Exchange	HSCI	377				
HSSX2804	Health Sciences Exchange	HSCI	377				
HSSX3801	Health Sciences Exchange	HSCI	377				
HSSX3802	Health Sciences Exchange	HSCI	377	IBUS2101	International Business Strategy	E&B	385
HSSX3803	Health Sciences Exchange	HSCI	377	IBUS2102	Cross-Cultural Management	E&B	385
HSSX3804	Health Sciences Exchange	HSCI	377	IBUS2551	International Business Exchange	E&B	385
HSSX4801	Health Sciences Exchange	HSCI	378	IBUS2552	International Business Exchange	E&B	385
HSSX4802	Health Sciences Exchange	HSCI	378	IBUS3101	International Business Alliances	E&B	385
HSSX4803	Health Sciences Exchange	HSCI	378	IBUS3102	International Risk Management	E&B	385
HSSX4804	Health Sciences Exchange	HSCI	378	IBUS3103	Global Entrepreneurship and Enterprise	E&B	385
HSTO3001	Microscopy & Histochemistry Theory	MED	378	IBUS3104	Ethical International Business Decisions	E&B	386
HSTO3002	Microscopy & Histochemistry Practical	MED	378	IBUS3106	International Business Special Project	E&B	386
HSTO3003	Cells and Development: Theory	MED	378	IBUS3107	Business Negotiations	E&B	386
HSTO3004	Cells and Development: Practical (Adv)	MED	378	IBUS3551	International Business Exchange	E&B	386
HSTO3551	Histology Exchange	MED	379	IBUS3552	International Business Exchange	E&B	386
HSTO3552	Histology Exchange	MED	379	IBUS3553	International Business Exchange	E&B	386
HSTY1025	The Middle Ages (500-1500)	ARTS	379	IBUS3554	International Business Exchange	E&B	386
HSTY1034	Early Modern Europe 1500-1750	ARTS	379	IBUS4101	Special Topics in International Business	E&B	386
HSTY1044	Twentieth Century Politics and Culture	ARTS	379	IBUS4102	International Business Research Methods	E&B	387
HSTY1045	Modern European History 1750-1914	ARTS	379	IBUS4103	International Business Seminar	E&B	387
HSTY1076	American History from Lincoln to Clinton	ARTS	379	IBUS4104	International Business Thesis	E&B	387
HSTY1089	Australia: Colonies to Nation	ARTS	380	IBUS9001	International Business Extension	E&B	387
HSTY1801	History Exchange	ARTS	380	IBUS9002	International Business Extension	E&B	387
HSTY1802	History Exchange	ARTS	380	IBUS9003	International Business Extension	E&B	387
HSTY2601	Religion & Society: Conversion & Culture	ARTS	380	IBUS9004	International Business Extension	E&B	387
HSTY2606	China and its World in the 19th Century	ARTS	380	ICLS2631	Popular Fiction and Popular Culture	ARTS	387
HSTY2607	Approaches to the Arab Israeli Conflict	ARTS	380	ICLS2633	Cities of the World	ARTS	387
				ICLS2636	Great Books 2: Innovations, Inspirations	ARTS	388



ICLS2801	Int Comparative Literary Studies Exch	ARTS	388	INFS2552	Business Information Systems Exchange	E&B	394
ICLS2802	Int Comparative Literary Studies Exch	ARTS	388	INFS3030	BIS Assurance and Control	E&B	395
ICLS2803	Int Comparative Literary Studies Exch	ARTS	388	INFS3040	Enterprise Systems	E&B	395
ICLS2804	Int Comparative Literary Studies Exch	ARTS	388	INFS3050	Supporting Business Intelligence	E&B	395
ICLS4011	Int Comparative Literary Studies Hons A	ARTS	388	INFS3060	Managing BIS Projects	E&B	395
ICLS4012	Int Comparative Literary Studies Hons B	ARTS	388	INFS3080	Business Information Systems Project	E&B	395
ICLS4013	Int Comparative Literary Studies Hons C	ARTS	388	INFS3551	Business Information Systems Exchange	E&B	395
ICLS4014	Int Comparative Literary Studies Hons D	ARTS	388	INFS3552	Business Information Systems Exchange	E&B	395
IMMU2101	Introductory Immunology	MED	388	INFS3553	Business Information Systems Exchange	E&B	395
IMMU2551	Immunology Exchange	MED	389	INFS3554	Business Information Systems Exchange	E&B	395
IMMU2552	Immunology Exchange	MED	389	INFS3555	Business Information Systems Exchange	E&B	396
IMMU2553	Immunology Exchange	MED	389	INFS4101	Business Information Systems Honours A	E&B	396
IMMU3102	Molecular and Cellular Immunology	MED	389	INFS4102	Business Information Systems Honours B	E&B	396
IMMU3202	Immunology in Human Disease	MED	389	INFS4103	Business Information Systems Honours C	E&B	396
IMMU3551	Immunology Exchange	MED	389	INFS4104	Business Information Systems Honours D	E&B	396
IMMU3552	Immunology Exchange	MED	390	INFS9001	Business Information Systems Extension	E&B	396
IMMU4011	Immunology Honours A	MED	390	INFS9002	Business Information Systems Extension	E&B	396
IMMU4012	Immunology Honours B	MED	390	INFS9003	Business Information Systems Extension	E&B	396
IMMU4013	Immunology Honours C	MED	390	INFS9004	Business Information Systems Extension	E&B	396
IMMU4014	Immunology Honours D	MED	390	INGS1001	Power and Money in Global Society	ARTS	396
INFD3012	Infectious Diseases	MED	390	INGS1002	Global Culture and Society	ARTS	397
INFD4011	Infectious Diseases Honours A	MED	390	INMS1101	Indonesian 1A	ARTS	397
INFD4012	Infectious Diseases Honours B	MED	390	INMS1102	Indonesian 1B	ARTS	397
INFD4013	Infectious Diseases Honours C	MED	390	INMS2601	Indonesian 2A	ARTS	397
INFD4014	Infectious Diseases Honours D	MED	391	INMS2602	Indonesian 2B	ARTS	397
INFO1003	Foundations of Information Technology	ENG	391	INMS2650	Indonesian In-Country Study A	ARTS	397
INFO1103	Introduction to Programming	ENG	391	INMS2651	Indonesian In-Country Study B	ARTS	397
INFO1105	Data Structures	ENG	391	INMS2652	Indonesian In-Country Study C	ARTS	398
INFO1551	Information Technology Exchange	ENG	391	INMS2653	Indonesian In-Country Study D	ARTS	398
INFO1903	Informatics (Advanced)	ENG	391	INMS2654	Indonesian In-Country Study E	ARTS	398
INFO1905	Data Structures (Advanced)	ENG	391	INMS2655	Indonesian In-Country Study F	ARTS	398
INFO2110	Systems Analysis and Modelling	ENG	391	INMS2656	Indonesian In-Country Study G	ARTS	398
INFO2120	Database Systems 1	ENG	392	INMS2657	Indonesian In-Country Study H	ARTS	398
INFO2315	Introduction to IT Security	ENG	392	INMS2805	Indonesian Exchange	ARTS	399
INFO2551	Information Technology Exchange	ENG	392	INMS2806	Indonesian Exchange	ARTS	399
INFO2552	Information Technology Exchange	ENG	392	INMS2807	Indonesian Exchange	ARTS	399
INFO2820	Database Systems 1 (Advanced)	ENG	392	INMS2808	Indonesian Exchange	ARTS	399
INFO3220	Object Oriented Design	ENG	392	INMS3601	Indonesian 3A	ARTS	399
INFO3315	Human-Computer Interaction	ENG	392	INMS3602	Indonesian 3B	ARTS	399
INFO3402	Management of IT Projects and Systems	ENG	392	INMS3605	Indonesian Advanced Studies C	ARTS	399
INFO3404	Database Systems 2	ENG	393	INMS3606	Indonesian Advanced Studies D	ARTS	399
INFO3504	Database Systems 2 (Adv)	ENG	393	INMS4011	Indonesian and Malay Studies Honours A	ARTS	399
INFO3551	Information Technology Exchange	ENG	393	INMS4012	Indonesian and Malay Studies Honours B	ARTS	400
INFO3552	Information Technology Exchange	ENG	393	INMS4013	Indonesian and Malay Studies Honours C	ARTS	400
INFO3553	Information Technology Exchange	ENG	393	INMS4014	Indonesian and Malay Studies Honours D	ARTS	400
INFO3600	Major Development Project (Advanced)	ENG	393	ISYS1551	Information Systems Exchange	ENG	400
INFO4991	IT Research Thesis A	ENG	393	ISYS1552	Information Systems Exchange	ENG	400
INFO4992	IT Research Thesis B	ENG	393	ISYS2140	Information Systems	ENG	400
INFO4999	Computer Science Honours Result	ENG	393	ISYS2554	Information Systems Exchange	ENG	400
INFS1000	Business Information Systems Foundations	E&B	394	ISYS2555	Information Systems Exchange	ENG	400
INFS1551	Business Information Systems Exchange	E&B	394	ISYS2556	Information Systems Exchange	ENG	400
INFS2001	Business Information Systems	E&B	394	ISYS2557	Information Systems Exchange	ENG	400
INFS2010	Managing Information & Knowledge Assets	E&B	394	ISYS3400	Information Systems Project	ENG	400
INFS2020	Business Process Integration & Modelling	E&B	394	ISYS3401	Analytical Methods & Information Systems	ENG	401
INFS2030	e-Commerce Business Models	E&B	394	ISYS3554	Information Systems Exchange	ENG	401
INFS2551	Business Information Systems Exchange	E&B	394	ISYS3555	Information Systems Exchange	ENG	401

ISYS3556	Information Systems Exchange	ENG	401	JAZZ1601	Jazz Performance 1	CON	409
ISYS3557	Information Systems Exchange	ENG	401	JAZZ1602	Jazz Performance 2	CON	409
ISYS4301	Information Systems Honours A	ENG	401	JAZZ1611	Jazz Ensemble 1	CON	409
ISYS4302	Information Systems Honours B	ENG	401	JAZZ1612	Jazz Ensemble 2	CON	410
ISYS4303	Information Systems Honours C	ENG	401	JAZZ1621	Jazz Music Skills 1	CON	410
ISYS4304	Information Systems Honours D	ENG	401	JAZZ1622	Jazz Music Skills 2	CON	410
ITLN1611	Introductory Italian 1	ARTS	401	JAZZ1631	Jazz Vocal 1	CON	410
ITLN1612	Introductory Italian 2	ARTS	402	JAZZ1632	Jazz Vocal 2	CON	410
ITLN1801	Italian Exchange	ARTS	402	JAZZ1661	Jazz Pedagogy	CON	410
ITLN1802	Italian Exchange	ARTS	402	JAZZ2000	Advanced Small Ensemble 1	CON	411
ITLN2611	Intermediate Italian 3	ARTS	402	JAZZ2001	Advanced Small Ensemble 2	CON	411
ITLN2612	Intermediate Italian 4	ARTS	402	JAZZ2002	Big Band 3	CON	411
ITLN2631	Senior Italian 3	ARTS	402	JAZZ2003	Big Band 4	CON	411
ITLN2632	Senior Italian 4	ARTS	402	JAZZ2004	Elective Jazz Orchestra 3	CON	411
ITLN2811	Italian Exchange	ARTS	402	JAZZ2005	Elective Jazz Orchestra 4	CON	411
ITLN2812	Italian Exchange	ARTS	403	JAZZ2006	Jazz Improvisation 3	CON	411
ITLN2813	Italian Exchange	ARTS	403	JAZZ2007	Jazz Improvisation 4	CON	411
ITLN2814	Italian Exchange	ARTS	403	JAZZ2008	Jazz Advanced Arranging 1	CON	412
ITLN2815	Italian Exchange	ARTS	403	JAZZ2009	Jazz Advanced Arranging 2	CON	412
ITLN2816	Italian Exchange	ARTS	403	JAZZ2016	Jazz Harmony and Arranging 3	CON	412
ITLN2817	Italian Exchange	ARTS	403	JAZZ2017	Jazz Harmony and Arranging 4	CON	412
ITLN3611	Senior Italian 5	ARTS	403	JAZZ2018	Jazz History 3	CON	412
ITLN3612	Senior Italian 6	ARTS	403	JAZZ2019	Jazz History 4	CON	412
ITLN3631	Senior Italian 7	ARTS	403	JAZZ2020	Jazz Performance 3	CON	412
ITLN3667	Images of Contemporary Italy	ARTS	403	JAZZ2021	Jazz Performance 4	CON	413
ITLN3671	Dante: Inferno	ARTS	404	JAZZ2022	Jazz Piano 3	CON	413
ITLN3679	Filming Fiction: The Italian Experience	ARTS	404	JAZZ2023	Jazz Piano 4	CON	413
ITLN3684	Italian Sociolinguistics	ARTS	404	JAZZ2026	Jazz Small Ensemble 3	CON	413
ITLN3687	Focus on Writing in Italian	ARTS	404	JAZZ2027	Jazz Small Ensemble 4	CON	413
ITLN3688	Advanced Italian: Translation	ARTS	404	JAZZ2030	Jazz Vocal Workshop 1	CON	413
ITLN3691	Italian Literature: 1200-1860	ARTS	404	JAZZ2031	Jazz Vocal Workshop 2	CON	413
ITLN3693	Impatient Capital: 21st Century Italy	ARTS	404	JAZZ2038	Jazz Ear Training 3	CON	413
ITLN4011	Italian Honours A	ARTS	404	JAZZ2039	Jazz Ear Training 4	CON	413
ITLN4012	Italian Honours B	ARTS	405	JAZZ2603	Jazz Performance 3	CON	414
ITLN4013	Italian Honours C	ARTS	405	JAZZ2604	Jazz Performance 4	CON	414
ITLN4014	Italian Honours D	ARTS	405	JAZZ2613	Jazz Ensemble 3	CON	414
				JAZZ2614	Jazz Ensemble 4	CON	414
				JAZZ2618	Jazz History C	CON	414
				JAZZ2619	Jazz History D	CON	414
JAZZ1000	Big Band 1	CON	407	JAZZ2623	Jazz Music Skills 3	CON	415
JAZZ1001	Big Band 2	CON	407	JAZZ2624	Jazz Music Skills 4	CON	415
JAZZ1002	Elective Jazz Orchestra 1	CON	407	JAZZ2633	Jazz Vocal 3	CON	415
JAZZ1003	Elective Jazz Orchestra 2	CON	407	JAZZ2634	Jazz Vocal 4	CON	415
JAZZ1006	Jazz Improvisation 1	CON	407	JAZZ2703	Jazz Performance 3 (Advanced)	CON	415
JAZZ1007	Jazz Improvisation 2	CON	407	JAZZ2704	Jazz Performance 4 (Advanced)	CON	415
JAZZ1013	Jazz Counterpoint 1	CON	407	JAZZ3000	Advanced Small Ensemble 3	CON	415
JAZZ1014	Jazz Counterpoint 2	CON	408	JAZZ3001	Advanced Small Ensemble 4	CON	416
JAZZ1015	Jazz Ear Training 1	CON	408	JAZZ3002	Big Band 5	CON	416
JAZZ1016	Jazz Ear Training 2	CON	408	JAZZ3003	Big Band 6	CON	416
JAZZ1019	Jazz Harmony and Arranging 1	CON	408	JAZZ3004	Elective Jazz Orchestra 5	CON	416
JAZZ1020	Jazz Harmony and Arranging 2	CON	408	JAZZ3005	Elective Jazz Orchestra 6	CON	416
JAZZ1021	Jazz History A	CON	408	JAZZ3006	Jazz Improvisation 5	CON	416
JAZZ1022	Jazz History B	CON	408	JAZZ3007	Jazz Improvisation 6	CON	416
JAZZ1025	Jazz Piano 1	CON	409	JAZZ3010	Jazz Performance 5	CON	416
JAZZ1026	Jazz Piano 2	CON	409	JAZZ3011	Jazz Performance 6	CON	417
JAZZ1029	Jazz Small Ensemble 1	CON	409	JAZZ3012	Jazz Small Ensemble 5	CON	417
JAZZ1030	Jazz Small Ensemble 2	CON	409				

JAZZ3013	Jazz Small Ensemble 6	CON	417	JPNS2672	Japanese Media Culture and New Japan	ARTS	424
JAZZ3018	Jazz Transcription and Analysis 1	CON	417	JPNS2811	Japanese Exchange 3	ARTS	424
JAZZ3019	Jazz Transcription and Analysis 2	CON	417	JPNS2812	Japanese Exchange 4	ARTS	424
JAZZ3605	Jazz Performance 5	CON	417	JPNS2813	Japanese Exchange 5	ARTS	424
JAZZ3606	Jazz Performance 6	CON	417	JPNS2814	Japanese Exchange 6	ARTS	424
JAZZ3615	Jazz Ensemble 5	CON	418	JPNS2815	Japanese Exchange 7	ARTS	424
JAZZ3616	Jazz Ensemble 6	CON	418	JPNS3621	Japanese 7	ARTS	424
JAZZ3631	Music Business Skills	CON	418	JPNS3622	Japanese 8	ARTS	424
JAZZ3635	Jazz Vocal 5	CON	418	JPNS3631	Japanese 9	ARTS	425
JAZZ3636	Jazz Vocal 6	CON	418	JPNS3632	Japanese 10	ARTS	425
JAZZ4000	Advanced Small Ensemble 5	CON	418	JPNS3673	Japanese Society	ARTS	425
JAZZ4001	Advanced Small Ensemble 6	CON	418	JPNS3676	Monsters & Ghosts: Japanese Fantasy & SF	ARTS	425
JAZZ4002	Big Band 7	CON	419	JPNS3677	Behaving the Japanese Way	ARTS	425
JAZZ4003	Big Band 8	CON	419	JPNS3841	Japan In-Country Study 1	ARTS	425
JAZZ4004	Elective Jazz Orchestra 7	CON	419	JPNS3842	Japan In-Country Study 2	ARTS	425
JAZZ4005	Elective Jazz Orchestra 8	CON	419	JPNS4011	Japanese Honours A	ARTS	425
JAZZ4006	Jazz Improvisation 7	CON	419	JPNS4012	Japanese Honours B	ARTS	426
JAZZ4007	Jazz Improvisation 8	CON	419	JPNS4013	Japanese Honours C	ARTS	426
JAZZ4010	Jazz Performance 7	CON	419	JPNS4014	Japanese Honours D	ARTS	426
JAZZ4012	Jazz Performance 8	CON	419	JURS3001	Sociological Jurisprudence	LAW	426
JAZZ4014	Jazz Small Ensemble 7	CON	419	JURS3003	Comparative Constitutionalism	LAW	426
JAZZ4015	Jazz Small Ensemble 8	CON	420				
JAZZ4607	Jazz Performance 7	CON	420				
JAZZ4608	Jazz Performance 8	CON	420				
JAZZ4617	Jazz Ensemble 7	CON	420	<b>K</b>			
JAZZ4618	Jazz Ensemble 8	CON	420	KCAS1101	Academic Skills 1AP	OTH	427
JAZZ4707	Jazz Performance 7 (Advanced)	CON	420	KCAS1102	Academic Skills 1BP	OTH	427
JAZZ4708	Jazz Performance 8 (Advanced)	CON	420	KCAS1201	Academic Skills 1AF	OTH	427
JCTC1001	Palestine: Roman Rule to Islam	ARTS	421	KCAS1202	Academic Skills 1BF	OTH	427
JCTC1002	Jewish Settlement Outside Palestine	ARTS	421	KCAS2101	Academic Skills 2AP	OTH	427
JCTC1801	Jewish Civilization Exchange	ARTS	421	KCAS2102	Academic Skills 2BP	OTH	427
JCTC2603	Jews Under the Crescent and the Cross	ARTS	421	KCAS2201	Academic Skills 2AF	OTH	427
JCTC2604	From Expulsion to Regeneration	ARTS	421	KCAS2202	Academic Skills 2BF	OTH	427
JCTC2605	From Emancipation to the Holocaust	ARTS	421	KCDE1101	Academic Literacies 1	OTH	427
JCTC2606	The Holocaust: History and Aftermath	ARTS	422	KCDE1102	Teaching & Learning: Presentation Skills	OTH	427
JCTC2607	Israel in the Modern Middle East	ARTS	422	KCDE1103	Indigenous Education and Society	OTH	428
JCTC2811	Jewish Civilisation Exchange	ARTS	422	KCDE1104	Researching Indigenous Communities	OTH	428
JCTC2812	Jewish Civilisation Exchange	ARTS	422	KCDE1201	Academic Literacies 2	OTH	428
JCTC2813	Jewish Civilisation Exchange	ARTS	422	KCDE1202	Teaching and Learning: Curriculum	OTH	428
JCTC2814	Jewish Civilisation Exchange	ARTS	422	KCDE1203	Human Development and Learning	OTH	428
JCTC2815	Jewish Civilization Exchange	ARTS	422	KCDE1204	Human Society and its Environment 1	OTH	428
JCTC2816	Jewish Civilisation Exchange	ARTS	422	KCDE2101	Visual Literacy: Cineliteracy	OTH	428
JCTC4011	Judaic Studies Honours A	ARTS	422	KCDE2102	Teaching & Learning: Teaching History	OTH	429
JCTC4012	Judaic Studies Honours B	ARTS	422	KCDE2103	Education Theories	OTH	429
JCTC4013	Judaic Studies Honours C	ARTS	422	KCDE2104	Introduction to Indigenous Australia	OTH	429
JCTC4014	Judaic Studies Honours D	ARTS	423	KCDE2201	Professional Practices 1	OTH	429
JPNS1611	Japanese 1	ARTS	423	KCDE2202	Aboriginal Studies in Schools	OTH	429
JPNS1612	Japanese 2	ARTS	423	KCDE2203	Indigenous Health and Communities	OTH	429
JPNS1801	Japanese Exchange	ARTS	423	KCDE2204	Human Society and its Environment 2	OTH	429
JPNS1802	Japanese Exchange	ARTS	423	KCSE3101	Evaluation and Assessment in Schools	OTH	429
JPNS2611	Japanese 3	ARTS	423	KCSE3102	Aboriginal Studies: Stages 4, 5 & 6	OTH	430
JPNS2612	Japanese 4	ARTS	423	KCSE3103	Indigenous Land and Culture	OTH	430
JPNS2621	Japanese 5	ARTS	423	KCSE3104	Australia WW1 to Whitlam	OTH	430
JPNS2622	Japanese 6	ARTS	423	KCSE3201	Professional Practices 2	OTH	430
JPNS2660	Introduction to Japan	ARTS	424	KCSE3202	Teaching Aboriginal Languages	OTH	430
JPNS2670	Japanese Literature	ARTS	424	KCSE3203	Reading Indigenous Writing	OTH	430
				KCSE3204	Human Society and its Environment 3	OTH	430



M

MATH1011	Life Sciences Calculus	SCI	464	MATH3556	Mathematics Exchange	SCI	472
MATH1013	Differential and Difference Equations	SCI	465	MATH3561	Mathematics Exchange	SCI	472
MATH1014	Introduction to Linear Algebra	SCI	465	MATH3562	Mathematics Exchange	SCI	472
MATH1015	Biostatistics	SCI	465	MATH3563	Mathematics Exchange	SCI	472
MATH1111	Introduction to Calculus	SCI	465	MATH3564	Mathematics Exchange	SCI	472
MATH1551	Mathematics Exchange	SCI	465	MATH3565	Mathematics Exchange	SCI	472
MATH1552	Mathematics Exchange	SCI	465	MATH3566	Mathematics Exchange	SCI	473
MATH1553	Mathematics Exchange	SCI	465	MATH3567	Mathematics Exchange	SCI	473
MATH1901	Differential Calculus (Advanced)	SCI	465	MATH3568	Mathematics Exchange	SCI	473
MATH1902	Linear Algebra (Advanced)	SCI	466	MATH3569	Mathematics Exchange	SCI	473
MATH1903	Integral Calculus and Modelling Advanced	SCI	466	MATH3570	Mathematics Exchange	SCI	473
MATH1905	Statistics (Advanced)	SCI	466	MATH3571	Mathematics Exchange	SCI	473
MATH1906	Mathematics (Special Studies Program) A	SCI	466	MATH3572	Mathematics Exchange	SCI	473
MATH1907	Mathematics (Special Studies Program) B	SCI	466	MATH3961	Metric Spaces (Advanced)	SCI	473
MATH2061	Linear Mathematics and Vector Calculus	SCI	466	MATH3962	Rings, Fields and Galois Theory (Adv)	SCI	473
MATH2063	Math Computing and Nonlinear Systems	SCI	467	MATH3963	Differential Equations & Biomaths (Adv)	SCI	474
MATH2065	Partial Differential Equations (Intro)	SCI	467	MATH3966	Modules and Group Representations (Adv)	SCI	474
MATH2067	DEs and Vector Calculus for Engineers	SCI	467	MATH3968	Differential Geometry (Advanced)	SCI	474
MATH2068	Number Theory and Cryptography	SCI	467	MATH3969	Measure Theory & Fourier Analysis (Adv)	SCI	474
MATH2069	Discrete Mathematics and Graph Theory	SCI	467	MATH3974	Fluid Dynamics (Advanced)	SCI	474
MATH2070	Optimisation and Financial Mathematics	SCI	467	MATH3975	Financial Mathematics (Advanced)	SCI	474
MATH2551	Mathematics Exchange	SCI	468	MATH3976	Mathematical Computing (Advanced)	SCI	475
MATH2552	Mathematics Exchange	SCI	468	MATH3977	Lagrangian & Hamiltonian Dynamics (Adv)	SCI	475
MATH2553	Mathematics Exchange	SCI	468	MATH3978	PDEs and Waves (Advanced)	SCI	475
MATH2554	Mathematics Exchange	SCI	468	MATH4301	Pure Mathematics Honours A	SCI	475
MATH2555	Mathematics Exchange	SCI	468	MATH4302	Pure Mathematics Honours B	SCI	475
MATH2556	Mathematics Exchange	SCI	468	MATH4303	Pure Mathematics Honours C	SCI	475
MATH2557	Mathematics Exchange	SCI	468	MATH4304	Pure Mathematics Honours D	SCI	475
MATH2558	Mathematics Exchange	SCI	468	MATH4305	Pure Mathematics (STABEX)	SCI	475
MATH2559	Mathematics Exchange	SCI	468	MATH4306	Pure Mathematics (STABEX)	SCI	476
MATH2560	Mathematics Exchange	SCI	468	MATH4401	Applied Mathematics Honours A	SCI	476
MATH2561	Mathematics Exchange	SCI	469	MATH4402	Applied Mathematics Honours B	SCI	476
MATH2916	Working Seminar A (SSP)	SCI	469	MATH4403	Applied Mathematics Honours C	SCI	476
MATH2917	Working Seminar B (SSP)	SCI	469	MATH4404	Applied Mathematics Honours D	SCI	476
MATH2961	Linear Mathematics & Vector Calculus Adv	SCI	469	MATH4405	Applied Mathematics (STABEX)	SCI	476
MATH2962	Real and Complex Analysis (Advanced)	SCI	469	MATH4406	Applied Mathematics (STABEX)	SCI	476
MATH2963	Math Computing & Nonlinear Systems (Adv)	SCI	469	MBLG1001	Molecular Biology and Genetics (Intro)	SCI	476
MATH2965	Partial Differential Equations Intro Adv	SCI	469	MBLG1551	Molecular Biology and Genetics Exchange	SCI	476
MATH2968	Algebra (Advanced)	SCI	470	MBLG1901	Molecular Biology and Genetics (Adv)	SCI	476
MATH2969	Discrete Mathematics & Graph Theory Adv	SCI	470	MBLG1999	Molecular Biology & Genetics Seminar A	SCI	477
MATH2970	Optimisation & Financial Mathematics Adv	SCI	470	MBLG2071	Molecular Biology and Genetics A	SCI	477
MATH2988	Number Theory and Cryptography (Advanced)	SCI	470	MBLG2072	Molecular Biology and Genetics B	SCI	477
MATH3061	Geometry and Topology	SCI	470	MBLG2551	Molecular Biology and Genetics Exchange	SCI	477
MATH3062	Algebra and Number Theory	SCI	470	MBLG2552	Molecular Biology and Genetics Exchange	SCI	478
MATH3063	Differential Equations & Biomaths	SCI	470	MBLG2553	Molecular Biology and Genetics Exchange	SCI	478
MATH3065	Logic and Foundations	SCI	471	MBLG2554	Molecular Biology and Genetics Exchange	SCI	478
MATH3068	Analysis	SCI	471	MBLG2555	Molecular Biology and Genetics Exchange	SCI	478
MATH3075	Financial Mathematics	SCI	471	MBLG2556	Molecular Biology and Genetics Exchange	SCI	478
MATH3076	Mathematical Computing	SCI	471	MBLG2971	Molecular Biology and Genetics A (Adv)	SCI	478
MATH3078	PDEs and Waves	SCI	471	MBLG2972	Molecular Biology and Genetics B (Adv)	SCI	478
MATH3551	Mathematics Exchange	SCI	471	MBLG3552	Molecular Biology and Genetics Exchange	SCI	478
MATH3552	Mathematics Exchange	SCI	472	MBLG3553	Molecular Biology and Genetics Exchange	SCI	478
MATH3553	Mathematics Exchange	SCI	472	MBLG3554	Molecular Biology and Genetics Exchange	SCI	479
MATH3554	Mathematics Exchange	SCI	472	MBLG3555	Molecular Biology and Genetics Exchange	SCI	479
MATH3555	Mathematics Exchange	SCI	472	MBLG3556	Molecular Biology and Genetics Exchange	SCI	479
				MBLG3999	Molecular Biology & Genetics Seminar B	SCI	479

MCGY1000	Aural Perception 1	CON	479	MCGY3639	Mahler, Schoenberg and the Modern Age	CON	488
MCGY1001	Aural Perception 1A	CON	479	MCGY3640	Contemporary Studies	CON	488
MCGY1002	Aural Perception 1B	CON	479	MCGY4002	Musicology 7 (Major)	CON	489
MCGY1003	Aural Perception 2	CON	479	MCGY4003	Musicology 7 (Honours)	CON	489
MCGY1008	Harmony and Analysis 1	CON	479	MCGY4004	Musicology 8 (Major)	CON	489
MCGY1009	Harmony and Analysis 2	CON	480	MCGY4005	Musicology 8 (Honours)	CON	489
MCGY1013	Music History 1: Medieval & Renaissance	CON	480	MCGY4047	Musicology 7 (Minor)	CON	489
MCGY1014	Music History 2: Baroque	CON	480	MCGY4048	Musicology 8 (Minor)	CON	489
MCGY1019	Musicology Workshop 1	CON	480	MCGY4603	Musicology 7 (Honours)	CON	490
MCGY1020	Musicology Workshop 2	CON	480	MCGY4605	Musicology 8 (Honours)	CON	490
MCGY1601	Musicology 1	CON	481	MCGY4607	Musicology 7	CON	490
MCGY1602	Musicology 2	CON	481	MCGY4608	Musicology 8	CON	490
MCGY2001	Advanced Harmony 2	CON	481	MDRW1013	Drawing A	SCA	490
MCGY2004	Aural Perception 3	CON	481	MDRW1014	Drawing B	SCA	490
MCGY2005	Aural Perception 4	CON	481	MDST2607	Medieval Literary and Artistic Modes	ARTS	491
MCGY2006	Classical Studies	CON	481	MDST2608	The First Crusade	ARTS	491
MCGY2008	Music History 5: 1890-1950	CON	482	MDST2610	Medieval Cosmology	ARTS	491
MCGY2009	Music History 6: Post 1950	CON	482	MDST2613	Sex and Sin in the Middle Ages	ARTS	491
MCGY2010	Harmony and Analysis 3	CON	482	MDST4011	Medieval Studies Honours A	ARTS	491
MCGY2011	Harmony and Analysis 4	CON	482	MDST4012	Medieval Studies Honours B	ARTS	491
MCGY2012	Music History 3: 1751-1825	CON	482	MDST4013	Medieval Studies Honours C	ARTS	491
MCGY2013	Music History 4: 1826-1890	CON	482	MDST4014	Medieval Studies Honours D	ARTS	491
MCGY2014	Musicology 3 (Major)	CON	483	MECH1400	Mechanical Construction	ENG	492
MCGY2015	Musicology 4 (Major)	CON	483	MECH1560	Introduction to Mechanical Engineering	ENG	492
MCGY2018	Musicology Workshop 3	CON	483	MECH2400	Mechanical Design 1	ENG	492
MCGY2019	Musicology Workshop 4	CON	483	MECH2901	Anatomy and Physiology for Engineers	ENG	492
MCGY2600	Advanced Harmony	CON	483	MECH3260	Thermal Engineering	ENG	492
MCGY2603	Musicology 3	CON	484	MECH3261	Fluid Mechanics	ENG	493
MCGY2604	Musicology 4	CON	484	MECH3361	Mechanics of Solids 2	ENG	493
MCGY2611	Music from the Middle Ages to Baroque	CON	484	MECH3362	Materials 2	ENG	493
MCGY2612	Music in the Classical and Romantic Eras	CON	484	MECH3460	Mechanical Design 2	ENG	493
MCGY2613	Music in Modern Times	CON	484	MECH3660	Manufacturing Engineering	ENG	494
MCGY2614	Musical Worlds of Today	CON	484	MECH3661	Engineering Management	ENG	494
MCGY2619	Popular Music: History, Place & Practice	CON	485	MECH3921	Biomedical Design and Technology	ENG	494
MCGY2620	Russian Music History	CON	485	MECH4241	Energy and the Environment	ENG	494
MCGY2631	Historical Performance Practice	CON	485	MECH4255	Air Conditioning and Refrigeration	ENG	495
MCGY3001	Advanced Aural 2	CON	485	MECH4265	Combustion	ENG	495
MCGY3008	Contemporary Studies 2	CON	485	MECH4310	Advanced Engineering Materials	ENG	495
MCGY3019	Musicology 5 (Major)	CON	485	MECH4320	Polymer Engineering	ENG	495
MCGY3020	Musicology 5 (Honours)	CON	486	MECH4460	Mechanical Design 3	ENG	495
MCGY3021	Musicology 6 (Major)	CON	486	MECH4601	Professional Engineering 2	ENG	496
MCGY3022	Musicology 6 (Honours)	CON	486	MECH4622	Industrial Ergonomics	ENG	496
MCGY3023	Musicology Workshop 5	CON	486	MECH4720	Sensors and Signals	ENG	496
MCGY3024	Musicology Workshop 6	CON	486	MECH4730	Computers in Real-Time Control and Inst	ENG	496
MCGY3033	Debussy 2	CON	487	MECH4902	Orthopaedic and Surgical Engineering	ENG	497
MCGY3034	Writing Skills for Music Professions	CON	487	MECH4961	Biomechanics and Biomaterials	ENG	497
MCGY3037	Romanticism and the Fantastic 2	CON	487	MECO1001	Australian Media Studies	ARTS	497
MCGY3045	Musicology 5 (Minor)	CON	487	MECO1003	Principles of Media Writing	ARTS	497
MCGY3046	Musicology 6 (Minor)	CON	487	MECO2601	Radio Broadcasting	ARTS	497
MCGY3600	Advanced Aural	CON	487	MECO2603	Media Relations	ARTS	497
MCGY3605	Musicology 5	CON	487	MECO2805	Media and Communications Exchange	ARTS	498
MCGY3606	Musicology 6	CON	488	MECO2806	Media and Communications Exchange	ARTS	498
MCGY3620	Musicology 5 (Honours)	CON	488	MECO2807	Media and Communications Exchange	ARTS	498
MCGY3622	Musicology 6 (Honours)	CON	488	MECO2808	Media and Communications Exchange	ARTS	498
MCGY3629	Romanticism and The Fantastic	CON	488	MECO3601	Video Production	ARTS	498
MCGY3633	Debussy	CON	488	MECO3602	Online Media	ARTS	498

MECO3603	Media, Law and Ethics	ARTS	498	MICR3555	Microbiology Exchange	SCI	506
MECO3605	Media Globalisation	ARTS	499	MICR3911	Microbes in Infection (Advanced)	SCI	506
MECO3606	Advanced Media Writing	ARTS	499	MICR3912	Molecular Biology of Pathogens (Adv)	SCI	506
MECO3609	Critical Practice in Media	ARTS	499	MICR3922	Microbial Biotechnology (Advanced)	SCI	506
MECO3671	Media and Communications Internship	ARTS	499	MICR4011	Microbiology Honours A	SCI	506
MECO3672	Internship Project	ARTS	499	MICR4012	Microbiology Honours B	SCI	507
MECO4601	Honours Research Methods A	ARTS	499	MICR4013	Microbiology Honours C	SCI	507
MECO4602	Honours Research Methods B	ARTS	500	MICR4014	Microbiology Honours D	SCI	507
MECO4603	Honours Seminar A	ARTS	500	MKTG1001	Marketing Principles	E&B	507
MECO4604	Honours Seminar B	ARTS	500	MKTG1002	Marketing Research 1	E&B	507
MECO4605	Honours Thesis A	ARTS	500	MKTG1551	Marketing Exchange	E&B	507
MECO4606	Honours Thesis B	ARTS	500	MKTG1552	Marketing Exchange	E&B	507
MECO4607	Honours Thesis C	ARTS	500	MKTG2010	Marketing Channels and Logistics	E&B	507
MECO4608	Honours Thesis D	ARTS	500	MKTG2112	Consumer Behaviour	E&B	508
MEDF4005	Medicine Preliminary	ARTS	500	MKTG2551	Marketing Exchange	E&B	508
MGRK1601	Junior Modern Greek 1	ARTS	500	MKTG2552	Marketing Exchange	E&B	508
MGRK1602	Junior Modern Greek 2	ARTS	500	MKTG3112	Marketing Communications	E&B	508
MGRK1621	Junior Modern Greek 3	ARTS	500	MKTG3114	New Products Marketing	E&B	508
MGRK1622	Junior Modern Greek 4	ARTS	501	MKTG3116	International Marketing	E&B	508
MGRK2601	Senior Modern Greek 1	ARTS	501	MKTG3117	Services Marketing	E&B	508
MGRK2602	Senior Modern Greek 2	ARTS	501	MKTG3118	Marketing Strategy and Planning	E&B	508
MGRK2603	Style and Expression	ARTS	501	MKTG3119	Public Relations Management	E&B	508
MGRK2605	Theory and Practice of Translation B	ARTS	501	MKTG3120	Building and Managing Brands	E&B	509
MGRK2622	The Other Road to Greek Modernity	ARTS	501	MKTG3121	Advertising: Creative Principles	E&B	509
MGRK2633	Social Norms/Stereotypes in Greek Cinema	ARTS	501	MKTG3551	Marketing Exchange	E&B	509
MGRK2652	Politics and Politicians in Greece	ARTS	502	MKTG3552	Marketing Exchange	E&B	509
MGRK2657	Greece and the European Imaginary	ARTS	502	MKTG3553	Marketing Exchange	E&B	509
MGRK2675	New Testament Greek and its World A	ARTS	502	MKTG3554	Marketing Exchange	E&B	509
MGRK2676	New Testament Greek and its World B	ARTS	502	MKTG3555	Marketing Exchange	E&B	509
MGRK2811	Modern Greek Exchange	ARTS	502	MKTG4101	Marketing Honours A	E&B	509
MGRK2812	Modern Greek Exchange	ARTS	502	MKTG4102	Marketing Honours B	E&B	510
MGRK2813	Modern Greek Exchange	ARTS	502	MKTG4103	Marketing Honours C	E&B	510
MGRK2814	Modern Greek Exchange	ARTS	502	MKTG4104	Marketing Honours D	E&B	510
MGRK2815	Modern Greek Exchange	ARTS	502	MKTG9001	Marketing Extension	E&B	510
MGRK3692	Theories of Literature	ARTS	502	MKTG9002	Marketing Extension	E&B	510
MGRK3841	Modern Greek In-Country Study 1	ARTS	503	MKTG9003	Marketing Extension	E&B	510
MGRK4011	Modern Greek Honours A	ARTS	503	MKTG9004	Marketing Extension	E&B	510
MGRK4012	Modern Greek Honours B	ARTS	503	MOBT2102	Molecular Biotechnology 2	SCI	510
MGRK4013	Modern Greek Honours C	ARTS	503	MOBT2551	Molecular Biotechnology Exchange	SCI	510
MGRK4014	Modern Greek Honours D	ARTS	503	MOBT2552	Molecular Biotechnology Exchange	SCI	511
MICR2021	Microbial Life	SCI	503	MOBT3101	Molecular Biotechnology 3A	SCI	511
MICR2022	Microbes in Society	SCI	503	MOBT3202	Molecular Biotechnology 3B Project	SCI	511
MICR2024	Microbes in the Environment	SCI	504	MOBT3551	Molecular Biotechnology Exchange	SCI	511
MICR2551	Microbiology Exchange	SCI	504	MOBT3552	Molecular Biotechnology Exchange	SCI	511
MICR2552	Microbiology Exchange	SCI	504	MOBT3553	Molecular Biotechnology Exchange	SCI	511
MICR2553	Microbiology Exchange	SCI	504	MOBT4301	Molecular Biotechnology Honours A	MED	511
MICR2554	Microbiology Exchange	SCI	504	MOBT4302	Molecular Biotechnology Honours B	MED	512
MICR2921	Microbial Life (Advanced)	SCI	504	MOBT4303	Molecular Biotechnology Honours C	MED	512
MICR2922	Microbes in Society (Advanced)	SCI	504	MOBT4304	Molecular Biotechnology Honours D	MED	512
MICR3011	Microbes in Infection	SCI	505	MRTY1031	Medical Radiation Physics	HSCI	512
MICR3012	Molecular Biology of Pathogens	SCI	505	MRTY1032	Preparation for Practice	HSCI	512
MICR3022	Microbial Biotechnology	SCI	505	MRTY1033	Radiographic Practice 1	HSCI	512
MICR3551	Microbiology Exchange	SCI	505	MRTY1034	Nuclear Medicine Practice 1	HSCI	512
MICR3552	Microbiology Exchange	SCI	505	MRTY1035	Radiation Therapy Practice 1	HSCI	512
MICR3553	Microbiology Exchange	SCI	506	MRTY1036	Health Physics and Radiation Biology	HSCI	513
MICR3554	Microbiology Exchange	SCI	506	MRTY2080	Radiographic Practice 2.1	HSCI	513



MRTY2081	Clinical Education 2.1DR	HSCI	513	MSTD2251	Printmedia C (Major)	SCA	522
MRTY2082	Radiographic Physics 2	HSCI	513	MSTD2252	Printmedia D (Major)	SCA	522
MRTY2083	Nuclear Medicine Practice 2.1	HSCI	513	MSTD2261	Sculpture C (Major)	SCA	523
MRTY2084	Nuclear Medicine Physics 2	HSCI	513	MSTD2262	Sculpture D (Major)	SCA	523
MRTY2085	Clinical Education 2.1NM	HSCI	514	MSTD2271	Photomedia C (Major)	SCA	523
MRTY2086	Radiation Therapy Practice 2.1	HSCI	514	MSTD2272	Photomedia D (Major)	SCA	523
MRTY2087	Radiation Therapy Physics 2	HSCI	514	MSTD2281	Film and Digital Art C (Major)	SCA	523
MRTY2088	Clinical Education 2.1RT	HSCI	514	MSTD2282	Film and Digital Art D (Major)	SCA	524
MRTY2089	Integrated Diagnosis and Treatment	HSCI	514	MSTD2511	Ceramics C	SCA	524
MRTY2090	Clinical Education 2.2DR	HSCI	514	MSTD2512	Ceramics D	SCA	524
MRTY2091	Clinical Education 2.3DR	HSCI	514	MSTD2521	Glass C	SCA	524
MRTY2092	Radiographic Practice 2.2	HSCI	515	MSTD2522	Glass D	SCA	524
MRTY2093	Clinical Education 2.2NM	HSCI	515	MSTD2531	Jewellery and Object C	SCA	525
MRTY2094	Clinical Education 2.3NM	HSCI	515	MSTD2532	Jewellery and Object D	SCA	525
MRTY2095	Nuclear Medicine Practice 2.2	HSCI	515	MSTD2541	Painting C	SCA	525
MRTY2096	Clinical Education 2.2RT	HSCI	515	MSTD2542	Painting D	SCA	525
MRTY2097	Clinical Education 2.3RT	HSCI	515	MSTD2551	Printmedia C	SCA	525
MRTY2098	Radiation Therapy Practice 2.2	HSCI	516	MSTD2552	Printmedia D	SCA	526
MRTY3099	Research in Medical Radiation Sciences	HSCI	516	MSTD2561	Sculpture C	SCA	526
MRTY3100	Digital Imaging	HSCI	516	MSTD2562	Sculpture D	SCA	526
MRTY3101	Ethics, Law and Professional Practice	HSCI	516	MSTD2571	Photomedia C	SCA	526
MRTY3102	Medical Radiation Project	HSCI	516	MSTD2572	Photomedia D	SCA	526
MRTY3103	Advanced Issues in MRS	HSCI	516	MSTD2581	Film and Digital Art C	SCA	526
MRTY3104	Medical Radiation Science Physics	HSCI	516	MSTD2582	Film and Digital Art D	SCA	527
MRTY3105	Radiographic Practice 3	HSCI	517	MSTD3111	Ceramics E (Major)	SCA	527
MRTY3106	Clinical Education 3DR	HSCI	517	MSTD3112	Ceramics F (Major)	SCA	527
MRTY3107	Radiographic Physics 3	HSCI	517	MSTD3121	Glass E (Major)	SCA	527
MRTY3108	Nuclear Medicine Practice 3	HSCI	517	MSTD3122	Glass F (Major)	SCA	527
MRTY3109	Clinical Education 3NM	HSCI	517	MSTD3131	Jewellery and Object E	SCA	528
MRTY3110	Nuclear Medicine Physics 3	HSCI	517	MSTD3132	Jewellery and Object F	SCA	528
MRTY3111	Radiation Therapy Practice 3.1	HSCI	518	MSTD3141	Painting E (Major)	SCA	528
MRTY3112	Clinical Education 3RT	HSCI	518	MSTD3142	Painting F (Major)	SCA	528
MRTY3113	Radiation Therapy Practice 3.2	HSCI	518	MSTD3151	Printmedia E (Major)	SCA	529
MRTY3114	Specialised Radiographic Practice	HSCI	518	MSTD3152	Printmedia F (Major)	SCA	529
MRTY3115	Introductory Sonography	HSCI	518	MSTD3161	Sculpture E (Major)	SCA	529
MRTY3116	CT for Nuclear Medicine Technologists	HSCI	518	MSTD3162	Sculpture F (Major)	SCA	529
MRTY3117	Diagnostic Imaging for Rad Therapists	HSCI	519	MSTD3171	Photomedia E (Major)	SCA	529
MRTY3118	MR Theory	HSCI	519	MSTD3172	Photomedia F (Major)	SCA	530
MRTY4032	Honours Thesis 1A	HSCI	519	MSTD3181	Film and Digital Art E (Major)	SCA	530
MRTY4033	Honours Thesis 1B	HSCI	519	MSTD3182	Film and Digital Art F (Major)	SCA	530
MRTY4034	Honours Thesis A	HSCI	519	MSTD3511	Ceramics E	SCA	530
MRTY4035	Honours Thesis B	HSCI	519	MSTD3512	Ceramics F	SCA	530
MRTY4036	Honours Thesis C	HSCI	519	MSTD3521	Glass E	SCA	530
MRTY4037	Honours Thesis D	HSCI	519	MSTD3522	Glass F	SCA	531
MSTD1111	Foundation Studio A	SCA	520	MSTD3531	Jewellery and Object E	SCA	531
MSTD1112	Foundation Studio B	SCA	520	MSTD3532	Jewellery and Object F	SCA	531
MSTD1121	Foundation Studio Concepts A	SCA	520	MSTD3541	Painting E	SCA	531
MSTD1123	Foundation Studio Concepts B	SCA	520	MSTD3542	Painting F	SCA	531
MSTD2211	Ceramics C (Major)	SCA	520	MSTD3551	Printmedia E	SCA	532
MSTD2212	Ceramics D (Major)	SCA	521	MSTD3552	Printmedia F	SCA	532
MSTD2221	Glass C (Major)	SCA	521	MSTD3561	Sculpture E	SCA	532
MSTD2222	Glass D (Major)	SCA	521	MSTD3562	Sculpture F	SCA	532
MSTD2231	Jewellery and Object C	SCA	521	MSTD3571	Photomedia E	SCA	532
MSTD2232	Jewellery and Object D	SCA	522	MSTD3572	Photomedia F	SCA	533
MSTD2241	Painting C (Major)	SCA	522	MSTD3581	Film and Digital Art E	SCA	533
MSTD2242	Painting D (Major)	SCA	522	MSTD3582	Film and Digital Art F	SCA	533



NTMP3005	Coastal Management	SCI	551	OCCP3065	Professional Practice IIIB	HSCI	558
NTMP3551	NTMP Exchange	SCI	551	OCCP3066	Components of Occ Performance III	HSCI	558
NURS3001	Advanced Clinical Nursing Assessment	NURS	551	OCCP3067	Professional Practice IIIA	HSCI	559
NURS3002	Health Illness & Care: Int'l Perspective	NURS	551	OCCP3068	Professional Practice IIIB	HSCI	559
NURS3003	Clinical and Patient Education	NURS	551	OCCP3069	Professional Practice IIIC	HSCI	559
NURS3004	Minor Thesis/Practice Project	NURS	552	OCCP3070	Professional Practice IIID	HSCI	559
NURS3005	Nursing Management & Clinical Governance	NURS	552	OCCP3071	Professional Practice IIIE	HSCI	559
NURS3006	Current Issues in Nursing	NURS	552	OCCP3072	Professional Practice IIIF	HSCI	559
NURS4020	Theory, Method and Ethic in Research	NURS	552	OCCP4019	Honours Research Seminar II	HSCI	559
NURS4021	Honours Thesis A	NURS	552	OCCP4051	Professional Practice IV	HSCI	560
NURS4022	Honours Thesis B	NURS	552	OCCP4056	OT in Learning & Co-ord Difficulties	HSCI	560
NURS4023	Honours Thesis C	NURS	552	OCCP4062	Community Based Rehabilitation	HSCI	560
NUTR2551	Nutrition Science Exchange	SCI	552	OCCP4063	Evaluation of OT Programs	HSCI	560
NUTR2911	Food Science Introductory (Advanced)	SCI	552	OCCP4068	OT in Occ Health, Safety & Rehab	HSCI	560
NUTR2912	Nutritional Science Introductory (Adv)	SCI	553	OCCP4070	Research Elective Independent Study	HSCI	560
NUTR3911	Nutritional Assessment Methods	SCI	553	OCCP4071	Professional Practice IV (Hons)	HSCI	560
NUTR3912	Community and Public Health Nutrition	SCI	553	OCCP4072	Honours Thesis	HSCI	561
NUTR3921	Methods in Nutrition Practice	SCI	553	OCCP4075	Mental Health Interventions	HSCI	561
NUTR3922	Nutrition and Chronic Disease	SCI	553	OCCP4076	Technology for Living	HSCI	561
NUTR4001	Clinical Nutritional Science A	SCI	554	OCCP4077	Professional Elective - General	HSCI	561
NUTR4002	Clinical Nutritional Science B	SCI	554	OCCP4078	People with Intellectual Disability	HSCI	561
NUTR4101	Nutrition Research A	SCI	554	ORGN1008	Organ Resources 1	CON	561
NUTR4102	Nutrition Research B	SCI	554	ORGN1009	Organ Resources 2	CON	561
NUTR4103	Nutrition Research C	SCI	554	ORGN1601	Organ 1	CON	562
NUTR4104	Nutrition Research D	SCI	554	ORGN1602	Organ 2	CON	562
NUTR4999	Nutritional Science Honours Result	SCI	554	ORGN2004	Organ 3 (Major)	CON	562
<b>O</b>				ORGN2005	Organ 4 (Major)	CON	562
OCCP1036	Human Occupations IB	HSCI	555	ORGN2008	Organ Resources 3	CON	562
OCCP1081	Human Occupations IA	HSCI	555	ORGN2009	Organ Resources 4	CON	562
OCCP1082	OT Theory and Process I	HSCI	555	ORGN2603	Organ 3	CON	562
OCCP1083	Occupations/Roles Across the Lifespan I	HSCI	555	ORGN2604	Organ 4	CON	562
OCCP1091	Components of Occ Performance IA	HSCI	555	ORGN2703	Organ 3 (Advanced)	CON	563
OCCP1094	Professional Practice I	HSCI	555	ORGN2704	Organ 4 (Advanced)	CON	563
OCCP1095	Components of Occ Performance IB	HSCI	555	ORGN3002	Organ 5 (Major)	CON	563
OCCP1096	Understanding Occupation-People-Context	HSCI	556	ORGN3003	Organ Resources 6	CON	563
OCCP1097	Analysing Occupation and Performance	HSCI	556	ORGN3008	Organ Resources 5	CON	563
OCCP1098	Teaching Occupations and Performance	HSCI	556	ORGN3010	Organ 6 (Major)	CON	563
OCCP1099	Occupational Peerformance: Healthcare 1	HSCI	556	ORGN3605	Organ 5	CON	563
OCCP1100	Professional Practice I	HSCI	556	ORGN3606	Organ 6	CON	563
OCCP2041	Human Occupations IIA	HSCI	556	ORGN3705	Organ 5 (Advanced)	CON	564
OCCP2042	Human Occupations IIB	HSCI	557	ORGN3706	Organ 6 (Advanced)	CON	564
OCCP2044	Components of Occ Performance IIB	HSCI	557	ORGN4001	Organ 7 (Major)	CON	564
OCCP2076	OT Theory and Process II	HSCI	557	ORGN4002	Organ 8 (Major)	CON	564
OCCP2077	Occupations/Roles Across the Lifespan II	HSCI	557	ORGN4009	Organ Resources 7	CON	564
OCCP2080	Components of Occ Performance IIA	HSCI	557	ORGN4010	Organ Resources 8	CON	564
OCCP2081	Professional Practice II	HSCI	557	ORGN4607	Organ 7	CON	564
OCCP3029	Honours Research Seminar I	HSCI	557	ORGN4608	Organ 8	CON	564
OCCP3032	Occ Therapy Theory and Process III	HSCI	557	ORGN4707	Organ 7 (Advanced)	CON	564
OCCP3050	Professional Communication and Guidance	HSCI	558	ORGN4708	Organ 8 (Advanced)	CON	565
OCCP3052	Research Project in Leisure and Health	HSCI	558	ORHL1001	Foundations of Oral Health 1	DENT	565
OCCP3059	Outdoor Recreation and Education	HSCI	558	ORHL1003	Foundations of Oral Health 2	DENT	565
OCCP3060	Client Groups II	HSCI	558	ORHL1004	Oral Health Clinical Practice 1	DENT	565
OCCP3061	Professional Practice IIIA	HSCI	558	ORHL1005	Oral Health Clinical Practice (Intro)	DENT	565
OCCP3064	Human Occupations III	HSCI	558	ORHL2001	Foundations of Oral Health 3	DENT	565
				ORHL2002	Oral Health Clinical Practice II	DENT	565
				ORHL2003	Oral Health Clinical Practice III	DENT	565

ORHL2004	Clinical - Hygiene and Therapy	DENT	565	PCOL3553	Pharmacology Exchange	MED	573
ORHL3001	Foundations of Oral Health 4	DENT	565	PCOL3554	Pharmacology Exchange	MED	573
ORHL3002	Oral Health in Society 1	DENT	566	PCOL3555	Pharmacology Exchange	MED	573
ORHL3003	Oral Health Clinical Practice 4	DENT	566	PCOL3605	Pharmacology 3 (Pharmacy)	MED	573
ORHL3004	Foundations of Oral Health 5	DENT	566	PCOL3911	Toxicology (Advanced)	MED	574
ORHL3005	Oral Health in Society 2	DENT	566	PCOL3912	Drug Design and Development (Adv)	MED	574
ORHL3006	Oral Health Clinical Practice 5	DENT	566	PCOL3921	Drug Therapy (Advanced)	MED	574
ORTH2059	The Eye and Vision	HSCI	566	PCOL3922	Neuropharmacology (Advanced)	MED	574
ORTH2060	Disability and Vision Impairment	HSCI	566	PCOL4011	Pharmacology Honours A	MED	574
ORTH3050	Assess and Manage Refractive Errors	HSCI	566	PCOL4012	Pharmacology Honours B	MED	574
ORTH3054	Orbital & Restrictive Conditions	HSCI	567	PCOL4013	Pharmacology Honours C	MED	574
ORTH3055	Instrumentation III	HSCI	567	PCOL4014	Pharmacology Honours D	MED	574
ORTH3056	Rehabilitation in Childhood	HSCI	567	PCOL4909	Pharmacology Advanced 4A (Pharmacy)	MED	574
ORTH3057	Orthoptics in Paediatrics	HSCI	567	PCOL4910	Pharmacology Advanced 4B (Pharmacy)	MED	575
ORTH3058	Orthoptics in Neurology	HSCI	567	PCOL4940	Pharmacology Adv 4A - Pharmacy (Rural)	MED	575
ORTH3059	Research Proposal	HSCI	567	PCOL4941	Pharmacology Adv 4B - Pharmacy (Rural)	MED	575
ORTH3062	Professional Practice IIIA	HSCI	567	PERF1005	Creative Music Skills	CON	575
ORTH3063	Professional Practice IIIB	HSCI	567	PERF2600	Music Project 1D	CON	575
ORTH3064	Professional Practice IIIHA	HSCI	568	PERF2601	Music Project 2D	CON	576
ORTH3065	Professional Practice IIIHB	HSCI	568	PERF2602	Music Project 3D	CON	576
ORTH4020	Neurological Eye Movement Disorders	HSCI	568	PERF2603	Music Project 4D	CON	576
ORTH4021	Orthoptics in Adult Practice	HSCI	568	PERF2610	Music Project 1A	CON	576
ORTH4022	Orthoptics in Ophthalmic Practice	HSCI	568	PERF2611	Music Project 2A	CON	576
ORTH4023	Professional Studies	HSCI	568	PERF2612	Music Project 3A	CON	576
ORTH4024	Rehabilitation for Vision Impairment	HSCI	568	PERF2613	Music Project 4A	CON	576
ORTH4026	Clinical Project	HSCI	568	PERF2614	Music Project 1B	CON	576
ORTH4027	Professional Practice IVHA	HSCI	568	PERF2615	Music Project 2B	CON	577
ORTH4028	Research Report A	HSCI	569	PERF2616	Music Project 3B	CON	577
ORTH4030	Research Report B	HSCI	569	PERF2617	Music Project 4B	CON	577
ORTH4035	Professional Practice IVA	HSCI	569	PERF2618	Music Project 1C	CON	577
ORTH4036	Professional Practice IVB	HSCI	569	PERF2619	Music Project 2C	CON	577
ORTH4037	Professional Practice IVC	HSCI	569	PERF2620	Music Project 3C	CON	577
ORTH4045	Professional Practice IVHBA	HSCI	569	PERF2621	Music Project 4C	CON	577
ORTH4046	Professional Practice IVHBB	HSCI	569	PERF3000	Conducting 1	CON	577
ORTH4047	Professional Practice IVHBC	HSCI	569	PERF3001	Conducting 2	CON	577
<b>P</b>				PERF3002	Recital Performance	CON	578
PACS2002	History and Politics of War and Peace	ARTS	571	PERF4000	Conducting 3	CON	578
PALI1001	Pali A	ARTS	571	PERF4001	Conducting 4	CON	578
PALI1002	Pali B	ARTS	571	PERF4002	Principal Study (Honours) 7	CON	578
PCOL2011	Pharmacology Fundamentals	MED	571	PERF4003	Principal Study (Honours) 8	CON	578
PCOL2012	Pharmacology: Drugs and People	MED	571	PERF4601	Honours Project 1	CON	578
PCOL2551	Pharmacology Exchange	MED	571	PERF4602	Honours Project 2	CON	579
PCOL2552	Pharmacology Exchange	MED	572	PHAR1616	Introductory Pharmaceutical Science	PHAR	579
PCOL2553	Pharmacology Exchange	MED	572	PHAR1617	Social Pharmacy	PHAR	579
PCOL2554	Pharmacology Exchange	MED	572	PHAR1811	Foundations of Pharmacy	PHAR	579
PCOL2555	Essentials of Pharmacology	MED	572	PHAR1812	Basic Pharmaceutical Sciences	PHAR	579
PCOL2556	Pharmacology Exchange	MED	572	PHAR1821	Social Pharmacy	PHAR	579
PCOL2557	Pharmacology Exchange	MED	572	PHAR1822	Physical Pharmaceutics	PHAR	580
PCOL2605	Pharmacology for Pharmacy	MED	572	PHAR2609	Medicinal Chemistry 2A	PHAR	580
PCOL3011	Toxicology	MED	572	PHAR2615	Microbiology for Pharmacy	PHAR	580
PCOL3012	Drug Design and Development	MED	573	PHAR2616	Physical Pharmaceutics and Formulation A	PHAR	580
PCOL3021	Drug Therapy	MED	573	PHAR2617	Pharmacy Practice 2	PHAR	580
PCOL3022	Neuropharmacology	MED	573	PHAR2618	Medicinal Chemistry 2B	PHAR	581
PCOL3551	Pharmacology Exchange	MED	573	PHAR2811	Drug Discovery and Design A	PHAR	581
PCOL3552	Pharmacology Exchange	MED	573	PHAR2812	Microbiology and Infection	PHAR	581
				PHAR2813	Therapeutic Principles	PHAR	581

PHAR2821	Drug Discovery and Design B	PHAR	581	PHIL2622	Reality, Time & Possibility: Metaphysics	ARTS	591
PHAR2822	Pharmacy Practice	PHAR	582	PHIL2623	Moral Psychology	ARTS	592
PHAR2823	Formulating and Dispensing	PHAR	582	PHIL2627	Philosophy and Psychiatry	ARTS	592
PHAR3602	Dispensing	PHAR	582	PHIL2629	Descartes and Continental Philosophy	ARTS	592
PHAR3609	Medicinal Chemistry 3A	PHAR	582	PHIL2632	Modernity in Crisis	ARTS	592
PHAR3610	Medicinal Chemistry 3B	PHAR	582	PHIL2634	Democratic Theory	ARTS	592
PHAR3613	Pharmacy Practice 3A	PHAR	583	PHIL2635	Contemporary Political Philosophy	ARTS	592
PHAR3615	Pharmacy Practice 3B	PHAR	583	PHIL2639	Heidegger's Phenomenology	ARTS	593
PHAR3627	Pharmacy Practice 3B (Rural)	PHAR	583	PHIL2642	Critical Thinking	ARTS	593
PHAR3630	Pharmacokinetics and Pharmacogenetics	PHAR	583	PHIL2643	Philosophy of Mind	ARTS	593
PHAR3631	Physical Pharmaceutics and Formulation B	PHAR	584	PHIL2644	Critical Theory: From Marx to Foucault	ARTS	593
PHAR4616	Pharmacotherapeutics in Practice	PHAR	584	PHIL2645	Philosophy of Law	ARTS	593
PHAR4618	Integrated Pharmacy Practice	PHAR	584	PHIL2647	The Philosophy of Happiness	ARTS	593
PHAR4619	Drug Development & New Drug Technologies	PHAR	584	PHIL2648	German Philosophy, Leibniz to Nietzsche	ARTS	593
PHAR4620	Integrated Dispensing	PHAR	585	PHIL2804	Philosophy Exchange	ARTS	594
PHAR4621	Clinical Practice	PHAR	585	PHIL2805	Philosophy Exchange	ARTS	594
PHAR4622	Pharmacy Management	PHAR	585	PHIL2806	Philosophy Exchange	ARTS	594
PHAR4650	Health and Cultural Issues in Rural Aust	PHAR	585	PHIL2810	Philosophy Exchange	ARTS	594
PHAR4651	Clinical Practice (Rural)	PHAR	585	PHIL2811	Philosophy Exchange	ARTS	594
PHAR4652	Pharmacotherapeutics in Rural Practice	PHAR	586	PHIL2812	Philosophy Exchange	ARTS	594
PHAR4653	Integrated Rural and Remote Health Care	PHAR	586	PHIL3615	Pragmatism	ARTS	594
PHAR4927	Pharmaceutics Advanced 4A	PHAR	586	PHIL3622	Philosophy of Modern Physics	ARTS	594
PHAR4928	Pharmaceutical Chemistry Advanced 4A	PHAR	586	PHIL4011	Philosophy Honours A	ARTS	594
PHAR4929	Pharmacy Practice Advanced 4A	PHAR	586	PHIL4012	Philosophy Honours B	ARTS	594
PHAR4930	Pharmaceutics Advanced 4B	PHAR	586	PHIL4013	Philosophy Honours C	ARTS	595
PHAR4931	Pharmaceutical Chemistry Advanced 4B	PHAR	587	PHIL4014	Philosophy Honours D	ARTS	595
PHAR4932	Pharmacy Practice Advanced 4B	PHAR	587	PHSI2005	Integrated Physiology A	MED	595
PHAR4950	Pharmaceutics Advanced 4A - Rural	PHAR	587	PHSI2006	Integrated Physiology B	MED	595
PHAR4951	Pharmaceutical Chemistry Adv 4A - Rural	PHAR	587	PHSI2551	Physiology Exchange	MED	595
PHAR4952	Pharmacy Practice Advanced 4A - Rural	PHAR	587	PHSI2552	Physiology Exchange	MED	595
PHAR4953	Pharmaceutics Advanced 4B - Rural	PHAR	587	PHSI2553	Physiology Exchange	MED	595
PHAR4954	Pharmaceutical Chemistry Adv 4B - Rural	PHAR	588	PHSI2554	Physiology Exchange	MED	595
PHAR4955	Pharmacy Practice Advanced 4B - Rural	PHAR	588	PHSI2555	Physiology Exchange	MED	595
PHCR2101	Professional Development 2A	MED	588	PHSI2556	Physiology Exchange	MED	596
PHCR2102	Community Health 4	MED	588	PHSI2601	Physiology for Pharmacy	MED	596
PHCR2103	Community Health 5A	MED	588	PHSI2905	Integrated Physiology A (Advanced)	MED	596
PHCR2104	Community Health 6	MED	589	PHSI2906	Integrated Physiology B (Advanced)	MED	596
PHCR2105	Population Health 1A	MED	589	PHSI3005	Human Cellular Physiology: Theory	MED	596
PHCR2107	Professional Development 2B	MED	589	PHSI3006	Human Cellular Physiology: Research	MED	597
PHCR2108	Community Development 3	MED	589	PHSI3007	Heart and Circulation: Normal Function	MED	597
PHCR2109	Community Health 5B	MED	589	PHSI3008	Heart and Circulation: Dysfunction	MED	597
PHCR2110	Population Health 1B	MED	589	PHSI3551	Physiology Exchange	MED	597
PHCR2111	Population Health 3	MED	590	PHSI3552	Physiology Exchange	MED	597
PHCR2112	Clinical Skills 2B	MED	590	PHSI3553	Physiology Exchange	MED	597
PHIL1011	Reality, Ethics and Beauty	ARTS	590	PHSI3554	Physiology Exchange	MED	597
PHIL1012	Introductory Logic	ARTS	590	PHSI3555	Physiology Exchange	MED	598
PHIL1013	Society, Knowledge and Self	ARTS	590	PHSI3905	Human Cellular Physiology (Adv): Theory	MED	598
PHIL1016	Mind and Morality HSC	ARTS	590	PHSI3906	Human Cellular Physiology (Adv): Research	MED	598
PHIL1801	Philosophy Exchange	ARTS	590	PHSI3907	Heart & Circulation: Normal Function Adv	MED	598
PHIL2600	Twentieth Century Philosophy	ARTS	590	PHSI3908	Heart & Circulation: Dysfunction Adv	MED	598
PHIL2605	Locke and Empiricism	ARTS	591	PHSI4011	Physiology Honours A	MED	599
PHIL2610	Exploring Nonclassical Logic	ARTS	591	PHSI4012	Physiology Honours B	MED	599
PHIL2615	Intermediate Logic	ARTS	591	PHSI4013	Physiology Honours C	MED	599
PHIL2617	Practical Ethics	ARTS	591	PHSI4014	Physiology Honours D	MED	599
PHIL2618	Aesthetics and Art	ARTS	591	PHTY1021	Motor Performance and Learning	HSCI	599
PHIL2621	Truth, Meaning and Language	ARTS	591	PHTY2045	Evidence Based Physiotherapy	HSCI	599

PHTY2046	Professional Practice	HSCI	599	PHYS3060	Quantum Mechanics & Physics Lab	SCI	609
PHTY2047	Clinical Observation and Measurement	HSCI	600	PHYS3062	Quantum/Cond Matter Physics & Lab	SCI	609
PHTY2048	Cardiopulmonary Physiotherapy A	HSCI	600	PHYS3068	Optics/Cond. Matter & Lab	SCI	609
PHTY2049	Neurological Physiotherapy A	HSCI	600	PHYS3069	Optics/High Energy Physics & Lab	SCI	610
PHTY2050	Musculoskeletal Physiotherapy A	HSCI	600	PHYS3071	High Energy/Astrophysics & Lab	SCI	610
PHTY2051	Musculoskeletal Physiotherapy B	HSCI	600	PHYS3074	High Energy/Cond. Matter Physics & Lab	SCI	610
PHTY3051	Cardiopulmonary Physiotherapy B	HSCI	601	PHYS3079	Cond. Matter/High Energy/Astrophysics	SCI	610
PHTY3052	Neurological Physiotherapy B	HSCI	601	PHYS3080	Optics/Cond.Matter/High Energy Physics	SCI	610
PHTY3053	Musculoskeletal Physiotherapy C	HSCI	601	PHYS3081	Optics/Cond. Matter/Astrophysics	SCI	611
PHTY3054	Musculoskeletal Physiotherapy D	HSCI	601	PHYS3082	Optics/High Energy/Astrophysics	SCI	611
PHTY3055	Physiotherapy Practicum A	HSCI	601	PHYS3551	Physics Exchange	SCI	611
PHTY3056	Physiotherapy Practicum B	HSCI	602	PHYS3552	Physics Exchange	SCI	611
PHTY3057	Physiotherapy Practicum C	HSCI	602	PHYS3553	Physics Exchange	SCI	611
PHTY4092	Musculoskeletal Physiotherapy E	HSCI	602	PHYS3554	Physics Exchange	SCI	611
PHTY4093	Cardiopulmonary & Neurological Physio	HSCI	602	PHYS3555	Physics Exchange	SCI	611
PHTY4094	Physiotherapy Practicum D	HSCI	602	PHYS3556	Physics Exchange	SCI	612
PHTY4095	Physiotherapy Practicum E	HSCI	602	PHYS3557	Physics Exchange	SCI	612
PHTY4096	Physiotherapy in Childhood	HSCI	603	PHYS3558	Physics Exchange	SCI	612
PHTY4097	Physiotherapy in the Workplace	HSCI	603	PHYS3559	Physics Exchange	SCI	612
PHTY4098	Physiotherapy in Recreation	HSCI	603	PHYS3915	Topics in Senior Physics A (Advanced)	SCI	612
PHTY4099	Physiotherapy in the Community	HSCI	603	PHYS3925	Topics in Senior Physics B (Advanced)	SCI	612
PHTY4100	Physiotherapy for Older People	HSCI	603	PHYS3940	Electromagnetism & Physics Lab (Adv)	SCI	612
PHTY4101	Honours Research Dissertation	HSCI	604	PHYS3941	Electromagnetism & Special Project (Adv)	SCI	612
PHTY4109	Elective Studies	HSCI	604	PHYS3951	Thermodynamics/Biol. Physics & Lab (Adv)	SCI	612
PHTY5164	Ultrasound for Physiotherapists	HSCI	604	PHYS3952	Nanoscience/Thermodynamics & Lab (Adv)	SCI	613
PHYS1001	Physics 1 (Regular)	SCI	604	PHYS3954	Nanoscience/Plasma Physics & Lab (Adv)	SCI	613
PHYS1002	Physics 1 (Fundamentals)	SCI	604	PHYS3955	Nanoscience/Plasma/Thermodynamics (Adv)	SCI	613
PHYS1003	Physics 1 (Technological)	SCI	604	PHYS3957	Nanoscience/Thermodynamic/Biol.Phys (Adv)	SCI	613
PHYS1004	Physics 1 (Environmental & Life Science)	SCI	604	PHYS3959	Plasma/Thermodynamics/Biol.Physics (Adv)	SCI	613
PHYS1500	Astronomy	SCI	605	PHYS3960	Quantum Mechanics & Physics Lab (Adv)	SCI	613
PHYS1551	Physics Exchange	SCI	605	PHYS3961	Quantum Mechanics & Special Project (Adv)	SCI	613
PHYS1552	Physics Exchange	SCI	605	PHYS3962	Quantum/Cond Matter Physics & Lab (Adv)	SCI	614
PHYS1901	Physics 1A (Advanced)	SCI	605	PHYS3968	Optics/Cond. Matter & Lab (Adv)	SCI	614
PHYS1902	Physics 1B (Advanced)	SCI	605	PHYS3969	Optics/High Energy Physics & Lab (Adv)	SCI	614
PHYS2011	Physics 2A	SCI	605	PHYS3971	High Energy/Astrophysics & Lab (Adv)	SCI	614
PHYS2012	Physics 2B	SCI	606	PHYS3974	High Energy/Cond. Matter Phys.& Lab (Adv)	SCI	614
PHYS2013	Astrophysics and Relativity	SCI	606	PHYS3979	Cond. Matter/High Energy/Astrophys (Adv)	SCI	614
PHYS2213	Physics 2EE	SCI	606	PHYS3980	Optics/Cond.Matter/High Energy Phys(Adv)	SCI	614
PHYS2551	Physics Exchange	SCI	606	PHYS3981	Optics/Cond. Matter/Astrophysics (Adv)	SCI	615
PHYS2552	Physics Exchange	SCI	606	PHYS3982	Optics/High Energy/Astrophysics (Adv)	SCI	615
PHYS2553	Physics Exchange	SCI	607	PHYS4011	Physics Honours A	SCI	615
PHYS2554	Physics Exchange	SCI	607	PHYS4012	Physics Honours B	SCI	615
PHYS2555	Physics Exchange	SCI	607	PHYS4013	Physics Honours C	SCI	615
PHYS2556	Physics Exchange	SCI	607	PHYS4014	Physics Honours D	SCI	615
PHYS2911	Physics 2A (Advanced)	SCI	607	PLNT2001	Plant Biochemistry and Molecular Biology	AG	615
PHYS2912	Physics 2B (Advanced)	SCI	607	PLNT2002	Aust Flora: Ecology and Conservation	AG	616
PHYS2913	Astrophysics and Relativity (Advanced)	SCI	607	PLNT2003	Plant Form and Function	AG	616
PHYS3015	Topics in Senior Physics A	SCI	607	PLNT2901	Plant Biochem & Molecular Biology (Adv)	AG	616
PHYS3025	Topics in Senior Physics B	SCI	608	PLNT2902	Aust Flora: Ecology & Conservation (Adv)	AG	616
PHYS3040	Electromagnetism & Physics Lab	SCI	608	PLNT2903	Plant Form and Function (Advanced)	AG	617
PHYS3051	Thermodynamics/Biol. Physics & Lab	SCI	608	PLNT3001	Plant, Cell and Environment	AG	617
PHYS3052	Nanoscience/Thermodynamics & Lab	SCI	608	PLNT3002	Plant Growth and Development	AG	617
PHYS3054	Nanoscience/Plasma Physics & Physics Lab	SCI	608	PLNT3003	Systematics and Evolution of Plants	SCI	618
PHYS3055	Nanoscience/Plasma/Thermodynamics	SCI	608				
PHYS3057	Nanoscience/Thermodynamic/Biol.Phys	SCI	609				
PHYS3059	Plasma/Thermodynamics/Biol. Physics	SCI	609				

PLNT3901	Plant, Cell and Environment (Advanced)	AG	618	PSYC1002	Psychology 1002	SCI	626
PLNT3902	Plant Growth and Development (Advanced)	AG	618	PSYC1551	Psychology Exchange	SCI	627
PLNT3903	Systematics and Evolution of Plants Adv	SCI	618	PSYC1552	Psychology Exchange	SCI	627
PPAT3003	Plant Disease	AG	618	PSYC2011	Brain and Behaviour	SCI	627
PPAT4004	Advanced Mycology and Plant Pathology	AG	619	PSYC2012	Statistics & Research Methods for Psych	SCI	627
PPAT4005	Soil Biology	AG	619	PSYC2013	Cognitive and Social Psychology	SCI	627
PRCN1002	Percussion Ensemble 1	CON	619	PSYC2014	Personality and Differential Psychology	SCI	627
PRCN1003	Percussion Ensemble 2	CON	619	PSYC2551	Psychology Exchange	SCI	628
PRCN1601	Percussion 1	CON	620	PSYC2552	Psychology Exchange	SCI	628
PRCN1602	Percussion 2	CON	620	PSYC2553	Psychology Exchange	SCI	628
PRCN2002	Percussion Ensemble 3	CON	620	PSYC2554	Psychology Exchange	SCI	628
PRCN2003	Percussion Ensemble 4	CON	620	PSYC2555	Psychology Exchange	SCI	628
PRCN2005	Percussion 4 (Minor)	CON	620	PSYC2556	Psychology Exchange	SCI	628
PRCN2006	Resource Class - Percussion	CON	620	PSYC2557	Psychology Exchange	SCI	628
PRCN2603	Percussion 3	CON	620	PSYC3010	Advanced Statistics for Psychology	SCI	628
PRCN2604	Percussion 4	CON	621	PSYC3011	Learning and Behaviour	SCI	628
PRCN2703	Percussion 3 (Advanced)	CON	621	PSYC3012	Cognition, Language and Thought	SCI	629
PRCN2704	Percussion 4 (Advanced)	CON	621	PSYC3013	Perceptual Systems	SCI	629
PRCN3002	Percussion Ensemble 5	CON	621	PSYC3014	Behavioural and Cognitive Neuroscience	SCI	629
PRCN3003	Percussion Ensemble 6	CON	621	PSYC3015	Intelligence and Differential Psychology	SCI	629
PRCN3005	Percussion 5 (Minor)	CON	621	PSYC3016	Developmental Psychology	SCI	629
PRCN3006	Percussion 6 (Minor)	CON	622	PSYC3017	Social Psychology	SCI	630
PRCN3605	Percussion 5	CON	622	PSYC3018	Abnormal Psychology	SCI	630
PRCN3606	Percussion 6	CON	622	PSYC3020	Applications of Psychological Science	SCI	630
PRCN4005	Percussion Ensemble 7	CON	622	PSYC3551	Psychology Exchange	SCI	630
PRCN4007	Percussion 7 (Minor)	CON	622	PSYC3552	Psychology Exchange	SCI	630
PRCN4008	Percussion 8 (Minor)	CON	622	PSYC3553	Psychology Exchange	SCI	630
PRCN4009	Percussion Ensemble 8	CON	622	PSYC3554	Psychology Exchange	SCI	631
PRCN4607	Percussion 7	CON	622	PSYC3555	Psychology Exchange	SCI	631
PRCN4608	Percussion 8	CON	622	PSYC3556	Psychology Exchange	SCI	631
PRCN4707	Percussion 7 (Advanced)	CON	623	PSYC3557	Psychology Exchange	SCI	631
PRCN4708	Percussion 8 (Advanced)	CON	623	PSYC3558	Psychology Exchange	SCI	631
PRDU1001	Nursing Fieldwork in Australia	NURS	623	PSYC3559	Psychology Exchange	SCI	631
PRFM1801	Performance Studies Exchange	ARTS	623	PSYC3560	Psychology Exchange	SCI	631
PRFM2601	Being There: Theories of Performance	ARTS	623	PSYC4011	Psychology Honours A	SCI	631
PRFM2602	An Audience Prepares	ARTS	623	PSYC4012	Psychology Honours B	SCI	631
PRFM2603	Between Impro & Text: Making Performance	ARTS	623	PSYC4013	Psychology Honours C	SCI	631
PRFM2604	Sociology of Theatre	ARTS	624	PSYC4014	Psychology Honours D	SCI	631
PRFM2805	Performance Studies Exchange	ARTS	624	<b>R</b>			
PRFM2806	Performance Studies Exchange	ARTS	624	REHB2026	Fundamentals of Rehabilitation	HSCI	633
PRFM2810	Performance Studies Exchange	ARTS	624	REHB3037	Vocational Rehabilitation IIIA	HSCI	633
PRFM2811	Performance Studies Exchange	ARTS	624	REHB3038	Vocational Rehabilitation IIIB	HSCI	633
PRFM2812	Performance Studies Exchange	ARTS	624	REHB3039	Avocational Rehabilitation	HSCI	633
PRFM3603	Playing Politics	ARTS	624	REHB3040	Psychiatric Rehabilitation	HSCI	633
PRFM3604	Embodied Histories	ARTS	624	REHB3042	Rehabilitation Counselling IIIA	HSCI	633
PRFM3605	Cross-Cultural and Hybrid Performance	ARTS	625	REHB3043	Rehabilitation Counselling IIIB	HSCI	633
PRFM3606	Theories of Acting	ARTS	625	REHB3044	Medical Aspects of Disability	HSCI	633
PRFM3611	The Secret Art of the Dramaturg	ARTS	625	REHB3049	Professional Practice IIIA	HSCI	634
PRFM3619	Performance Analysis and Documentation	ARTS	625	REHB3050	Professional Practice IIIB	HSCI	634
PRFM3961	Rehearsal Studies	ARTS	625	REHB3056	Rehab of Persons with Hearing Loss	HSCI	634
PRFM3962	Rehearsal to Performance	ARTS	625	REHB3062	Public Offenders: Criminality & Rehab	HSCI	634
PRFM4011	Performance Studies Honours A	ARTS	626	REHB3063	Disability, Work and Quality of Life	HSCI	634
PRFM4012	Performance Studies Honours B	ARTS	626	REHB3064	Alcohol and Drug Misuse Rehabilitation	HSCI	634
PRFM4013	Performance Studies Honours C	ARTS	626	REHB3065	PTSD and Rehabilitation	HSCI	635
PRFM4014	Performance Studies Honours D	ARTS	626	REHB3066	Chronic Pain: Disability and Rehab	HSCI	635
PSYC1001	Psychology 1001	SCI	626				

REHB3067	Acquired Brain Injury Rehabilitation	HSCI	635	SCEL2203	Science Elective 6	SCI	642
REHB3069	HIV/AIDS: Developments in Rehabilitation	HSCI	635	SCEL2204	Science Elective 10	SCI	643
REHB4009	Rehabilitation Counselling IV	HSCI	635	SCEL2302	Science Elective 3	SCI	643
REHB4019	Thesis A	HSCI	635	SCEL2303	Science Elective 7	SCI	643
REHB4021	Professional Practice IVA	HSCI	635	SCEL2304	Science Elective 11	SCI	643
REHB4022	Professional Practice IVB	HSCI	636	SCEL2402	Science Elective 4	SCI	643
REHB4023	Honours Workshop	HSCI	636	SCEL2403	Science Elective 8	SCI	643
REHB4024	Professional Practice IVHA	HSCI	636	SCEL2404	Science Elective 12	SCI	644
REHB4025	Professional Practice IVHB	HSCI	636	SCEL3102	Science Elective 13	SCI	644
REHB4026	Thesis B	HSCI	636	SCEL3103	Science Elective 17	SCI	644
RLST1001	Paths to Enlightenment	ARTS	636	SCEL3104	Science Elective 21	SCI	644
RLST1002	The History of God	ARTS	636	SCEL3202	Science Elective 14	SCI	644
RLST1801	Religious Studies Exchange	ARTS	636	SCEL3203	Science Elective 18	SCI	644
RLST2606	Christianity as a Global Religion	ARTS	636	SCEL3204	Science Elective 22	SCI	644
RLST2609	Theravada Buddhism	ARTS	637	SCEL3302	Science Elective 15	SCI	645
RLST2612	Dualism: Zoroaster, Gnosis & Manichaeism	ARTS	637	SCEL3303	Science Elective 19	SCI	645
RLST2620	Religion and Violence, Faith and Blood	ARTS	637	SCEL3304	Science Elective 23	SCI	645
RLST2624	The Birth of Christianity	ARTS	637	SCEL3402	Science Elective 16	SCI	645
RLST2625	Religion and the Arts	ARTS	637	SCEL3403	Science Elective 20	SCI	645
RLST2627	Religion in Multicultural Australia	ARTS	637	SCGN2951	Advanced Science Exchange	SCI	645
RLST2635	Sex, Desire and the Sacred	ARTS	638	SCGN2952	Advanced Science Exchange	SCI	645
RLST2636	Ancient Egyptian Religion and Magic	ARTS	638	SCGN2953	Advanced Science Exchange	SCI	646
RLST2637	Engaged Buddhism: Politics and Justice	ARTS	638	SCGN2954	Advanced Science Exchange	SCI	646
RLST2804	Religious Studies Exchange	ARTS	638	SCGN3001	Science Practical and Laboratory Study A	SCI	646
RLST2805	Religious Studies Exchange	ARTS	638	SCGN3002	Science Practical and Laboratory Study B	SCI	646
RLST2806	Religious Studies Exchange	ARTS	638	SCGN3003	Science Practical and Laboratory Study C	SCI	646
RLST2809	Religious Studies Exchange	ARTS	638	SCGN3951	Advanced Science Exchange	SCI	646
RLST2810	Religious Studies Exchange	ARTS	638	SCGN3952	Advanced Science Exchange	SCI	646
RLST4011	Religious Studies Honours A	ARTS	639	SCGN3953	Advanced Science Exchange	SCI	646
RLST4012	Religious Studies Honours B	ARTS	639	SCGN3954	Advanced Science Exchange	SCI	646
RLST4013	Religious Studies Honours C	ARTS	639	SCLG1001	Introduction to Sociology 1	ARTS	646
RLST4014	Religious Studies Honours D	ARTS	639	SCLG1002	Introduction to Sociology 2	ARTS	647
RSEC1031	Resource Economics 1	AG	639	SCLG1801	Sociology Exchange	ARTS	647
RSEC4131	Benefit-Cost Analysis	AG	639	SCLG2601	Sociological Theory	ARTS	647
RSEC4132	Environmental Economics	AG	639	SCLG2602	Social Inquiry: Research Methods	ARTS	647
RSEC4133	Economics of Mineral & Energy Industries	AG	639	SCLG2603	Sociology of Health and Illness	ARTS	647
RSEC4134	Economics of Water & Bio-resources	AG	640	SCLG2604	Social Inequality in Australia	ARTS	647
RSEC4141	Resource Economics Project A	AG	640	SCLG2605	Social Justice Law and Society	ARTS	647
RSEC4142	Resource Economics Project B	AG	640	SCLG2606	Media in Contemporary Society	ARTS	648
				SCLG2607	Social Movements and Policy Making	ARTS	648
				SCLG2608	Social Construction of Difference	ARTS	648
				SCLG2609	Contemporary Cultural Issues	ARTS	648
				SCLG2610	Science, Technology and Social Change	ARTS	648
				SCLG2611	Comparative Sociology of Welfare States	ARTS	648
				SCLG2612	Self and Society	ARTS	649
				SCLG2613	Sociology of Childhood and Youth	ARTS	649
				SCLG2615	Law and Social Theory	ARTS	649
				SCLG2616	Global Transformations	ARTS	649
				SCLG2618	Violence, Imaginaries and Symbolic Power	ARTS	649
				SCLG2621	Power, Politics and Society	ARTS	649
				SCLG2622	Sociology of Knowledge	ARTS	650
				SCLG2623	Sociology of Terror	ARTS	650
				SCLG2624	Human Rights and Social Protest	ARTS	650
				SCLG2625	Sociology of Friendship	ARTS	650
				SCLG2634	Crime, Punishment and Society	ARTS	650
				SCLG2805	Sociology Exchange	ARTS	650
<b>S</b>							
SANS1001	Sanskrit Introductory 1	ARTS	641				
SANS1002	Sanskrit Introductory 2	ARTS	641				
SANS2601	Sanskrit Intermediate 1	ARTS	641				
SANS2602	Sanskrit Intermediate 2	ARTS	641				
SANS3601	Sanskrit Advanced 1	ARTS	641				
SANS3602	Sanskrit Advanced 2	ARTS	641				
SANS3612	Sanskrit Research Preparation 2	ARTS	641				
SANS4001	Sanskrit IV Honours A	ARTS	641				
SANS4002	Sanskrit IV Honours B	ARTS	642				
SANS4003	Sanskrit IV Honours C	ARTS	642				
SANS4004	Sanskrit IV Honours D	ARTS	642				
SCEL2102	Science Elective 1	SCI	642				
SCEL2103	Science Elective 5	SCI	642				
SCEL2104	Science Elective 9	SCI	642				
SCEL2202	Science Elective 2	SCI	642				



SCLG2806	Sociology Exchange	ARTS	650	SCTP3863	Science Talented Student Project	SCI	655
SCLG2809	Sociology Exchange	ARTS	651	SCTP3864	Science Talented Student Project	SCI	655
SCLG2810	Sociology Exchange	ARTS	651	SCTP3865	Science Talented Student Project	SCI	655
SCLG2811	Sociology Exchange	ARTS	651	SCTP3881	Science Talented Student Project	SCI	655
SCLG2812	Sociology Exchange	ARTS	651	SCTP3882	Science Talented Student Project	SCI	655
SCLG3601	Contemporary Sociological Theory	ARTS	651	SCTP3883	Science Talented Student Project	SCI	655
SCLG3602	Empirical Sociological Methods	ARTS	651	SCWK2004	Psychology for Social Work 201	EDU	655
SCLG4011	Sociology Honours A	ARTS	651	SCWK2005	Psychology for Social Work 202	EDU	655
SCLG4012	Sociology Honours B	ARTS	651	SCWK2006	Research Skills for Social Work	EDU	656
SCLG4013	Sociology Honours C	ARTS	651	SCWK3005	Field Education 1	EDU	656
SCLG4014	Sociology Honours D	ARTS	651	SCWK3006	Issue Based Learning Unit 1	EDU	656
SCPL2601	Australian Social Policy	ARTS	651	SCWK3007	Issue Based Learning Unit 2	EDU	656
SCPL2602	Contesting Social Policies	ARTS	652	SCWK3008	Professional Practice	EDU	656
SCPL2603	Development and Welfare in East Asia	ARTS	652	SCWK3009	Social Work Preliminary Honours	EDU	656
SCTP1831	Science Talented Student Project	SCI	652	SCWK3010	Field Education 1 Honours	EDU	656
SCTP1832	Science Talented Student Project	SCI	652	SCWK4002	Integrative Studies 402	EDU	657
SCTP1833	Science Talented Student Project	SCI	652	SCWK4003	Issue Based Learning Unit 3	EDU	657
SCTP1834	Science Talented Student Project	SCI	652	SCWK4004	Issue Based Learning Unit 4	EDU	657
SCTP1835	Science Talented Student Project	SCI	652	SCWK4005	Field Education 2A	EDU	657
SCTP1841	Science Talented Student Project	SCI	652	SCWK4006	Field Education 2B	EDU	657
SCTP1842	Science Talented Student Project	SCI	652	SCWK4007	Field Education 2B Honours	EDU	657
SCTP1843	Science Talented Student Project	SCI	652	SCWK4008	Social Work Research Dissertation	EDU	657
SCTP1861	Science Talented Student Project	SCI	652	SING4052	Topics in Physiotherapy Management	HSCI	657
SCTP1862	Science Talented Student Project	SCI	652	SING4054	Community Based Programs Development	HSCI	658
SCTP1863	Science Talented Student Project	SCI	653	SING4055	Managing Occupational Therapy Services	HSCI	658
SCTP1864	Science Talented Student Project	SCI	653	SING4056	Cognitive & Perceptual Components of OT	HSCI	658
SCTP1865	Science Talented Student Project	SCI	653	SING4057	Advanced Communication Techniques in OT	HSCI	658
SCTP1881	Science Talented Student Project	SCI	653	SING4059	Computer Communication in MRT	HSCI	658
SCTP1882	Science Talented Student Project	SCI	653	SING4061	The Quality Perspective Applied to MRT	HSCI	658
SCTP1883	Science Talented Student Project	SCI	653	SING4062	Health Care Ethics	HSCI	658
SCTP2831	Science Talented Student Project	SCI	653	SING4063	Legal Perspectives and Health Care	HSCI	658
SCTP2832	Science Talented Student Project	SCI	653	SING4064	Patient/Client Education	HSCI	659
SCTP2833	Science Talented Student Project	SCI	653	SING4065	Managing Resources in Health Services	HSCI	659
SCTP2834	Science Talented Student Project	SCI	653	SING4066	Pathophysiology A	HSCI	659
SCTP2835	Science Talented Student Project	SCI	653	SING4067	Pathophysiology B	HSCI	659
SCTP2841	Science Talented Student Project	SCI	653	SING4068	Research Methods: Design	HSCI	659
SCTP2842	Science Talented Student Project	SCI	653	SING4069	Research Methods: Analysis	HSCI	659
SCTP2843	Science Talented Student Project	SCI	654	SING4070	Sociology of Work and Organisations	HSCI	659
SCTP2861	Science Talented Student Project	SCI	654	SING4071	Patient-Practitioner Relationships	HSCI	659
SCTP2862	Science Talented Student Project	SCI	654	SING4072	Nursing Knowledge and Health Care	HSCI	660
SCTP2863	Science Talented Student Project	SCI	654	SING4075	Integrated Diagnosis and Treatment	HSCI	660
SCTP2864	Science Talented Student Project	SCI	654	SING4076	Radiographic Interpretation of Pathology	HSCI	660
SCTP2865	Science Talented Student Project	SCI	654	SING4077	Imaging Applications in RT	HSCI	660
SCTP2881	Science Talented Student Project	SCI	654	SING4083	Evidence Based Practice	HSCI	660
SCTP2882	Science Talented Student Project	SCI	654	SING4084	Advanced Musculoskeletal Physiotherapy	HSCI	660
SCTP2883	Science Talented Student Project	SCI	654	SING4085	Advanced Cardiopulmonary Physiotherapy	HSCI	660
SCTP3831	Science Talented Student Project	SCI	654	SING4086	Advanced Neurological Physiotherapy	HSCI	660
SCTP3832	Science Talented Student Project	SCI	654	SING4087	Nursing and Health Assessment	HSCI	660
SCTP3833	Science Talented Student Project	SCI	654	SING4088	Nursing in Complex Clinical Situations	HSCI	661
SCTP3834	Science Talented Student Project	SCI	654	SLSS1001	Introduction to Socio-Legal Studies	ARTS	661
SCTP3835	Science Talented Student Project	SCI	654	SLSS1003	Law and Contemporary Society	ARTS	661
SCTP3841	Science Talented Student Project	SCI	655	SLSS2601	Socio-Legal Research	ARTS	661
SCTP3842	Science Talented Student Project	SCI	655	SLSS2603	Medico-Legal and Forensic Criminology	ARTS	661
SCTP3843	Science Talented Student Project	SCI	655	SMTP1000	Communicating Effectively in Teams	MED	661
SCTP3861	Science Talented Student Project	SCI	655	SMTP2000	Introduction to Clinical Research Ethics	MED	661
SCTP3862	Science Talented Student Project	SCI	655	SMTP3007	SMTP Elective I	MED	661

SNGP3001	Advanced Clinical Nursing Assessment	NURS	662	STAT2556	Statistics Exchange	SCI	669
SNGP3002	Health Illness & Care: Int'l Perspective	NURS	662	STAT2557	Statistics Exchange	SCI	669
SNGP3003	Clinical and Patient Education	NURS	662	STAT2911	Probability and Statistical Models (Adv)	SCI	669
SNGP3004	Minor Thesis/Practice Project	NURS	662	STAT2912	Statistical Tests (Advanced)	SCI	669
SNGP3005	Nursing Management & Clinical Governance	NURS	662	STAT3011	Stochastic Processes and Time Series	SCI	669
SNGP3007	Inquiry and Research in Nursing	NURS	662	STAT3012	Applied Linear Methods	SCI	669
SNGP3008	Applied Pharmacology in Nursing Practice	NURS	662	STAT3013	Statistical Inference	SCI	669
SNGP3009	Nursing, Knowledge and Practice	NURS	662	STAT3014	Applied Statistics	SCI	670
SNGP3010	Law and Ethics in Health Care	NURS	663	STAT3551	Statistics Exchange	SCI	670
SOIL2003	Soil Properties and Processes	AG	663	STAT3552	Statistics Exchange	SCI	670
SOIL2004	The Soil Resource	AG	663	STAT3553	Statistics Exchange	SCI	670
SOIL3009	Contemporary Field and Lab Soil Science	AG	663	STAT3554	Statistics Exchange	SCI	670
SOIL3010	The Soil at Work	AG	664	STAT3555	Statistics Exchange	SCI	670
SOIL4021	Soil Science Honours A	AG	664	STAT3556	Statistics Exchange	SCI	670
SOIL4022	Soil Science Honours B	AG	664	STAT3557	Statistics Exchange	SCI	670
SOIL4023	Soil Science Honours C	AG	664	STAT3558	Statistics Exchange	SCI	670
SOIL4024	Soil Science Honours D	AG	664	STAT3559	Statistics Exchange	SCI	670
SPAN1601	Introductory Spanish 1	ARTS	664	STAT3560	Statistics Exchange	SCI	670
SPAN1602	Introductory Spanish 2	ARTS	664	STAT3911	Stochastic Processes and Time Series Adv	SCI	671
SPAN1801	Spanish Exchange	ARTS	664	STAT3912	Applied Linear Methods Advanced	SCI	671
SPAN1802	Spanish Exchange	ARTS	665	STAT3913	Statistical Inference Advanced	SCI	671
SPAN2601	Intermediate Spanish 1	ARTS	665	STAT3914	Applied Statistics Advanced	SCI	671
SPAN2602	Intermediate Spanish 2	ARTS	665	STAT4201	Mathematical Statistics Honours A	SCI	671
SPAN2621	Spanish Culture 1	ARTS	665	STAT4202	Mathematical Statistics Honours B	SCI	671
SPAN2622	Latin American Culture 1	ARTS	665	STAT4203	Mathematical Statistics Honours C	SCI	671
SPAN2631	Cultural and Social Change in Spain	ARTS	665	STAT4204	Mathematical Statistics Honours D	SCI	671
SPAN3601	Advanced Spanish 1	ARTS	665	STAT4205	Mathematical Statistics (STABEX)	SCI	671
SPAN3602	Advanced Spanish 2	ARTS	665	STAT4206	Mathematical Statistics (STABEX)	SCI	672
SPAN3621	Latin American Film and Literature	ARTS	666	STRG1000	Cello Ensemble 1	CON	672
SPAN3622	Introduction to Spanish Translation	ARTS	666	STRG1001	Cello Ensemble 2	CON	672
SPAN3623	Argentina for Export	ARTS	666	STRG1015	Strings Performance Class 1	CON	672
SPAN3811	Spanish Studies Exchange	ARTS	666	STRG1016	Strings Performance Class 2	CON	672
SPAN3812	Spanish Studies Exchange	ARTS	666	STRG1039	Guitar Ensemble 1	CON	672
SPAN3813	Spanish Studies Exchange	ARTS	666	STRG1040	Guitar Ensemble 2	CON	672
SPAN3814	Spanish Studies Exchange	ARTS	666	STRG1601	Double Bass 1	CON	673
SPAN3815	Spanish Studies Exchange	ARTS	666	STRG1602	Double Bass 2	CON	673
SPAN3816	Spanish Studies Exchange	ARTS	666	STRG1611	Guitar 1	CON	673
SPAN3817	Spanish Studies Exchange	ARTS	666	STRG1612	Guitar 2	CON	673
SPAN3818	Spanish Studies Exchange	ARTS	666	STRG1621	Harp 1	CON	674
SPAN4011	Spanish & Latin American Studies Hons A	ARTS	667	STRG1622	Harp 2	CON	674
SPAN4012	Spanish & Latin American Studies Hons B	ARTS	667	STRG1641	Viola 1	CON	674
SPAN4013	Spanish & Latin American Studies Hons C	ARTS	667	STRG1642	Viola 2	CON	674
SPAN4014	Spanish & Latin American Studies Hons D	ARTS	667	STRG1661	Violin 1	CON	674
SSCI2601	Social, Political and Economic Thought 1	ARTS	667	STRG1662	Violin 2	CON	675
SSCI2602	Social, Political and Economic Thought 2	ARTS	667	STRG1671	Violoncello 1	CON	675
SSCI3601	Social Sciences Internship	ARTS	667	STRG1672	Violoncello 2	CON	675
SSCI3602	Internship Research Paper	ARTS	667	STRG2000	Cello Ensemble 3	CON	675
STAT1021	General Statistical Methods 1	SCI	668	STRG2001	Cello Ensemble 4	CON	676
STAT1551	Statistics Exchange	SCI	668	STRG2003	Double Bass 4 (Major)	CON	676
STAT2011	Statistical Models	SCI	668	STRG2006	Guitar 3 (Major)	CON	676
STAT2012	Statistical Tests	SCI	668	STRG2007	Guitar 4 (Major)	CON	676
STAT2551	Statistics Exchange	SCI	668	STRG2008	Harp 3 (Major)	CON	676
STAT2552	Statistics Exchange	SCI	668	STRG2009	Harp 4 (Major)	CON	676
STAT2553	Statistics Exchange	SCI	668	STRG2014	Strings Performance Class 3	CON	676
STAT2554	Statistics Exchange	SCI	668	STRG2015	Strings Performance Class 4	CON	676
STAT2555	Statistics Exchange	SCI	668	STRG2016	Viola 3 (Major)	CON	677

STRG2017	Viola 4 (Major)	CON	677	STRG3037	Guitar Ensemble 5	CON	686
STRG2018	Violin 3 (Major)	CON	677	STRG3038	Guitar Ensemble 6	CON	686
STRG2019	Violin 4 (Major)	CON	677	STRG3605	Double Bass 5	CON	686
STRG2020	Violoncello 3 (Major)	CON	677	STRG3606	Double Bass 6	CON	686
STRG2021	Violoncello 4 (Major)	CON	677	STRG3615	Guitar 5	CON	686
STRG2035	Guitar Ensemble 3	CON	677	STRG3616	Guitar 6	CON	687
STRG2036	Guitar Ensemble 4	CON	677	STRG3625	Harp 5	CON	687
STRG2603	Double Bass 3	CON	677	STRG3626	Harp 6	CON	687
STRG2604	Double Bass 4	CON	678	STRG3645	Viola 5	CON	687
STRG2613	Guitar 3	CON	678	STRG3646	Viola 6	CON	688
STRG2614	Guitar 4	CON	678	STRG3665	Violin 5	CON	688
STRG2623	Harp 3	CON	678	STRG3666	Violin 6	CON	688
STRG2624	Harp 4	CON	679	STRG3675	Violoncello 5	CON	688
STRG2643	Viola 3	CON	679	STRG3676	Violoncello 6	CON	689
STRG2644	Viola 4	CON	679	STRG4000	Cello Ensemble 7	CON	689
STRG2663	Violin 3	CON	679	STRG4001	Cello Ensemble 8	CON	689
STRG2664	Violin 4	CON	680	STRG4002	Double Bass 7 (Major)	CON	689
STRG2673	Violoncello 3	CON	680	STRG4004	Double Bass 8 (Major)	CON	689
STRG2674	Violoncello 4	CON	680	STRG4006	Guitar 7 (Major)	CON	689
STRG2703	Double Bass 3 (Advanced)	CON	680	STRG4008	Guitar 8 (Major)	CON	689
STRG2704	Double Bass 4 (Advanced)	CON	681	STRG4010	Harp 7 (Major)	CON	690
STRG2713	Guitar 3 (Advanced)	CON	681	STRG4011	Harp 8 (Major)	CON	690
STRG2714	Guitar 4 (Advanced)	CON	681	STRG4014	Guitar 7 (Minor)	CON	690
STRG2723	Harp 3 (Advanced)	CON	681	STRG4015	Guitar 8 (Minor)	CON	690
STRG2724	Harp 4 (Advanced)	CON	681	STRG4016	Strings Performance Class 7	CON	690
STRG2743	Viola 3 (Advanced)	CON	682	STRG4017	Strings Performance Class 8	CON	690
STRG2744	Viola 4 (Advanced)	CON	682	STRG4018	Viola 7 (Major)	CON	690
STRG2763	Violin 3 (Advanced)	CON	682	STRG4020	Viola 8 (Major)	CON	690
STRG2764	Violin 4 (Advanced)	CON	682	STRG4022	Violin 7 (Major)	CON	690
STRG2773	Violoncello 3 (Advanced)	CON	682	STRG4024	Violin 8 (Major)	CON	691
STRG2774	Violoncello 4 (Advanced)	CON	683	STRG4026	Violoncello 7 (Major)	CON	691
STRG3000	Cello Ensemble 5	CON	683	STRG4028	Violoncello 8 (Major)	CON	691
STRG3001	Cello Ensemble 6	CON	683	STRG4032	Violin 7 (Minor)	CON	691
STRG3002	Double Bass 5 (Major)	CON	683	STRG4035	Violin 8 (Minor)	CON	691
STRG3003	Double Bass 6 (Major)	CON	683	STRG4041	Guitar Ensemble 7	CON	691
STRG3004	Guitar 5 (Major)	CON	683	STRG4042	Guitar Ensemble 8	CON	691
STRG3005	Guitar 6 (Major)	CON	683	STRG4607	Double Bass 7	CON	691
STRG3006	Harp 5 (Major)	CON	683	STRG4608	Double Bass 8	CON	691
STRG3007	Harp 6 (Major)	CON	683	STRG4617	Guitar 7	CON	692
STRG3010	Pedagogy Guitar 1	CON	684	STRG4618	Guitar 8	CON	692
STRG3012	Pedagogy Strings 1	CON	684	STRG4627	Harp 7	CON	692
STRG3013	Pedagogy Strings 2	CON	684	STRG4628	Harp 8	CON	692
STRG3016	Guitar 5 (Minor)	CON	684	STRG4647	Viola 7	CON	693
STRG3017	Guitar 6 (Minor)	CON	684	STRG4648	Viola 8	CON	693
STRG3018	Strings Performance Class 5	CON	684	STRG4667	Violin 7	CON	693
STRG3019	Strings Performance Class 6	CON	684	STRG4668	Violin 8	CON	693
STRG3020	Viola 5 (Major)	CON	685	STRG4677	Violoncello 7	CON	693
STRG3021	Viola 6 (Major)	CON	685	STRG4678	Violoncello 8	CON	694
STRG3022	Violin 5 (Major)	CON	685	STRG4707	Double Bass 7 (Advanced)	CON	694
STRG3023	Violin 6 (Major)	CON	685	STRG4708	Double Bass 8 (Advanced)	CON	694
STRG3024	Violoncello 5 (Major)	CON	685	STRG4717	Guitar 7 (Advanced)	CON	694
STRG3025	Violoncello 6 (Major)	CON	685	STRG4718	Guitar 8 (Advanced)	CON	694
STRG3026	Violin 5 (Minor)	CON	685	STRG4727	Harp 7 (Advanced)	CON	695
STRG3027	Violin 6 (Minor)	CON	685	STRG4728	Harp 8 (Advanced)	CON	695
STRG3035	Harp 5 (Minor)	CON	685	STRG4747	Viola 7 (Advanced)	CON	695
STRG3036	Harp 6 (Minor)	CON	686	STRG4748	Viola 8 (Advanced)	CON	695

STRG4767	Violin 7 (Advanced)	CON	695	USDP1021	Life Sciences 2	DENT	707	
STRG4768	Violin 8 (Advanced)	CON	695	USDP1022	Foundations of Total Patient Care 2	DENT	707	
STRG4777	Violoncello 7 (Advanced)	CON	696	USDP1023	Personal and Professional Development 2	DENT	707	
STRG4778	Violoncello 8 (Advanced)	CON	696	USDP1024	Dentist and Community 2	DENT	707	
T				USDP2012	Foundations of Total Patient Care 3	DENT	707	
				USDP2013	Personal and Professional Development 3	DENT	707	
				USDP2014	Dentist and Community 3	DENT	707	
	THAP1201	Theories of Art Practice A	SCA	697	USDP2016	Life Sciences 3	DENT	707
	THAP1202	Theories of Art Practice B	SCA	697	USDP2022	Foundations of Total Patient Care 4	DENT	708
	THAP1211	Studio Theory A	SCA	697	USDP2023	Personal and Professional Development 4	DENT	708
	THAP1212	Studio Theory B	SCA	698	USDP2024	Dentist and Community 4	DENT	708
	THAP2411	Theories of Art Practice C	SCA	698	USDP2026	Life Sciences 4	DENT	708
	THAP2412	Theories of Art Practice D	SCA	698	USDP2027	Total Patient Care Clinical	DENT	708
	THAP2421	Studio Theory Media Arts C	SCA	699	USDP3001	Life Sciences 5	DENT	708
THAP2422	Studio Theory Media Arts D	SCA	699	USDP3002	Total Patient Care 1	DENT	708	
THAP2431	Studio Theory Fine Arts C	SCA	699	USDP3003	Personal and Professional Development 5	DENT	708	
THAP2432	Studio Theory Fine Arts D	SCA	699	USDP3004	Dentist and Community 5	DENT	708	
THAP2441	Studio Theory Object Art and Design C	SCA	699	USDP3005	Life Sciences 6	DENT	708	
THAP2442	Studio Theory Object Art and Design D	SCA	699	USDP3006	Total Patient Care 2	DENT	708	
THAP2611	Theories of Art Practice C	SCA	700	USDP3007	Personal and Professional Development 6	DENT	708	
THAP2612	Theories of Art Practice D	SCA	700	USDP3008	Dentist and Community 6	DENT	709	
THAP2621	Studio Theory Media Arts C	SCA	700	USDP4001	Life Sciences 1	DENT	709	
THAP2622	Studio Theory Media Arts D	SCA	700	USDP4002	Total Patient Care 3	DENT	709	
THAP2631	Studio Theory Fine Arts C	SCA	701	USDP4003	Personal and Professional Development 7	DENT	709	
THAP2632	Studio Theory Fine Arts D	SCA	701	USDP4004	Dentist and Community 7	DENT	709	
THAP2641	Studio Theory Object Art and Design C	SCA	701	USDP4005	Life Sciences 2	DENT	709	
THAP2642	Studio Theory Object Art and Design D	SCA	702	USDP4006	Total Patient Care 4	DENT	709	
THAP3301	Theories of Art Practice E	SCA	702	USDP4007	Personal and Professional Development 8	DENT	709	
THAP3302	Theories of Art Practice F	SCA	702	USDP4008	Dentist and Community 8	DENT	709	
THAP3321	Studio Theory Media Arts E	SCA	702	USSC2601	US in the World	OTH	709	
THAP3322	Studio Theory Media Arts F	SCA	702					
THAP3331	Studio Theory Fine Arts E	SCA	703					
THAP3332	Studio Theory Fine Arts F	SCA	703	V				
THAP3341	Studio Theory Object Art and Design E	SCA	703	VETS1006	Animal Husbandry 1A	VETS	711	
THAP3342	Studio Theory Object Art and Design F	SCA	703	VETS1013	Cell Biology 1A	VETS	711	
THAP3401	Theories of Art Practice E	SCA	703	VETS1014	Veterinary Anatomy and Physiology 1A	VETS	711	
THAP3402	Theories of Art Practice F	SCA	703	VETS1017	Professional Practice 1B	VETS	711	
THAP3421	Studio Theory Media Arts E	SCA	704	VETS1018	Cell Biology 1B	VETS	711	
THAP3422	Studio Theory Media Arts F	SCA	704	VETS1019	Animal Husbandry 1B	VETS	712	
THAP3431	Studio Theory Fine Arts E	SCA	704	VETS1020	Veterinary Anatomy and Physiology 1B	VETS	712	
THAP3432	Studio Theory Fine Arts F	SCA	705	VETS1021	Professional Practice 1A	VETS	712	
THAP3441	Studio Theory Object Art and Design E	SCA	705	VETS1030	Animal Husbandry 1A	VETS	712	
THAP3442	Studio Theory Object Art and Design F	SCA	705	VETS1031	Professional Practice 1	VETS	712	
THAP4222	Honours Dissertation B	SCA	706	VETS1032	Cell Biology 1A	VETS	713	
THAP4231	Honours Dissertation A	SCA	706	VETS1033	Animal Husbandry 1B	VETS	713	
THAP4241	Studio Seminar/Research Paper A	SCA	706	VETS1034	Veterinary Anatomy and Physiology 1B	VETS	713	
THAP4242	Research Paper B	SCA	706	VETS2008	Professional Practice 2	VETS	713	
THAP4251	Honours Theories of Art Practice	SCA	706	VETS2009	Genetics and Biometry	VETS	713	
THAP7101	Contemporary Art	SCA	706	VETS2010	Animal Digestion and Nutrition	VETS	714	
THAP7201	A History of Australian Art	SCA	706	VETS2011	Veterinary Anatomy and Physiology 2A	VETS	714	
				VETS2012	Equine Anatomy	VETS	714	
				VETS2013	Principles of Disease	VETS	714	
U				VETS2015	Veterinary Conservation Biology	VETS	715	
USDP1011	Life Sciences 1	DENT	707	VETS2016	Veterinary Anatomy and Physiology 2B	VETS	715	
USDP1012	Foundations of Total Patient Care 1	DENT	707	VETS3011	Veterinary Pathology	VETS	715	
USDP1013	Personal and Professional Development 1	DENT	707	VETS3013	Veterinary Pharmacology and Toxicology	VETS	715	
USDP1014	Dentist and Community 1	DENT	707	VETS3018	Animal Behaviour and Animal Welfare Sci	VETS	716	

VETS3025	Veterinary Public Health	VETS	716	VSAO1632	Movement and Production 2	CON	727
VETS3027	Veterinary Clinical Sciences 3	VETS	716	VSAO2008	Movement and Stagecraft 3	CON	727
VETS3038	Animal Disease	VETS	716	VSAO2009	Movement and Stagecraft 4	CON	727
VETS3039	Professional Practice 3	VETS	716	VSAO2011	Voice 3 (Minor)	CON	727
VETS3040	Veterinary Microbiology	VETS	717	VSAO2012	Opera Voice 3	CON	727
VETS3041	Veterinary Parasitology	VETS	717	VSAO2013	Opera Voice 4	CON	727
VETS3242	Animal Disease	VETS	717	VSAO2014	Opera Repertoire 2	CON	727
VETS3243	Veterinary Clinical Pathology	VETS	717	VSAO2015	Opera Repertoire 3	CON	728
VETS3244	Small Animal Medicine and Therapeutics 1	VETS	718	VSAO2016	Voice 4 (Minor)	CON	728
VETS4042	Veterinary Research A	VETS	718	VSAO2020	Voice 3 (Major)	CON	728
VETS4043	Veterinary Research B	VETS	718	VSAO2021	Voice 4 (Major)	CON	728
VETS4111	Veterinary Anaesthesia	VETS	718	VSAO2028	Italian Diction for Singers 2	CON	728
VETS4112	Veterinary Medicine & Clinical Pathology	VETS	719	VSAO2029	German Diction for Singers 2	CON	728
VETS4113	Veterinary Radiology	VETS	719	VSAO2037	Vocal Performance Class 3	CON	728
VETS4114	Veterinary Surgery	VETS	719	VSAO2038	Vocal Performance Class 4	CON	728
VETS4221	Bird Health and Production	VETS	719	VSAO2041	Opera Italian 3	CON	729
VETS4222	Horse Medicine and Surgery	VETS	719	VSAO2042	Opera Italian 4	CON	729
VETS4223	Pig Health and Production	VETS	720	VSAO2043	Opera French 3	CON	729
VETS4224	Ruminant Health and Production	VETS	720	VSAO2044	Opera French 4	CON	729
VETS4331	Animal Husbandry Practical Report	VETS	720	VSAO2045	Opera German 3	CON	729
VETS5331	Preparation Veterinary Practice	VETS	720	VSAO2046	Opera German 4	CON	729
VETS5335	Small Animal Practice (Extramural)	VETS	721	VSAO2047	Opera Ensemble 3	CON	729
VETS5336	Rural Mixed Practice 1 (UVCC)	VETS	721	VSAO2048	Opera Ensemble 4	CON	730
VETS5337	Rural Mixed Practice 2 (Extramural)	VETS	721	VSAO2057	Jazz Vocal (Minor) 3	CON	730
VETS5345	Primary Accession Med & Surgery (UVTHS)	VETS	721	VSAO2058	Jazz Vocal (Minor) 4	CON	730
VETS5346	Referral Medicine (UVTHS)	VETS	721	VSAO2613	Voice 3	CON	730
VETS5347	Anaesthesia and Intensive Care (UVTHS)	VETS	722	VSAO2614	Voice 4	CON	730
VETS5348	Small Animal Surgery (UVTHS)	VETS	722	VSAO2623	Opera Diction 3	CON	730
VETS5349	Rural Public Practice	VETS	722	VSAO2624	Opera Diction 4	CON	730
VETS5350	Elective Rotation 1	VETS	723	VSAO2633	Movement and Production 3	CON	730
VETS5351	Elective Rotation 2	VETS	723	VSAO2634	Movement and Production 4	CON	731
VETS5355	Honours Elective	VETS	723	VSAO2713	Voice 3 (Advanced)	CON	731
VETS5356	Rural Mixed Practice Intramural	VETS	723	VSAO2714	Voice 4 (Advanced)	CON	731
VETS5357	Rural Mixed Practice Extramural	VETS	723	VSAO3001	Production 3	CON	731
VETS5358	Rural Public Practice Extramural	VETS	723	VSAO3006	Movement and Stagecraft 5	CON	731
VETS5359	Small Animal Practice Extramural	VETS	724	VSAO3007	Movement and Stagecraft 6	CON	731
VIRO3001	Virology	SCI	724	VSAO3008	Production 4	CON	731
VIRO3002	Medical and Applied Virology	MED	724	VSAO3010	Opera Voice 5	CON	731
VIRO3551	Virology Exchange	SCI	725	VSAO3011	Opera Voice 6	CON	732
VIRO3552	Virology Exchange	SCI	725	VSAO3012	Opera Repertoire 4	CON	732
VIRO3901	Virology (Advanced)	SCI	725	VSAO3014	Pedagogy Voice 1	CON	732
VSAO1008	Italian Diction for Singers 1	CON	725	VSAO3015	Pedagogy Voice 2	CON	732
VSAO1009	German Diction for Singers 1	CON	725	VSAO3017	Voice 5 (Minor)	CON	732
VSAO1014	Opera Voice 1	CON	725	VSAO3018	Voice 5 (Major)	CON	732
VSAO1015	Opera Voice 2	CON	725	VSAO3019	Voice 6 (Major)	CON	732
VSAO1016	Opera Repertoire 1	CON	725	VSAO3020	Voice 6 (Minor)	CON	732
VSAO1017	Vocal Performance Class 1	CON	726	VSAO3023	Production 5	CON	732
VSAO1018	Vocal Performance Class 2	CON	726	VSAO3024	Production 6	CON	733
VSAO1044	Opera French 2	CON	726	VSAO3037	Vocal Performance Class 5	CON	733
VSAO1047	Opera Ensemble 1	CON	726	VSAO3038	Vocal Performance Class 6	CON	733
VSAO1048	Opera Ensemble 2	CON	726	VSAO3041	Opera Italian 5	CON	733
VSAO1611	Voice 1	CON	726	VSAO3042	Opera Italian 6	CON	733
VSAO1612	Voice 2	CON	726	VSAO3047	Opera Ensemble 5	CON	733
VSAO1621	Opera Diction 1	CON	726	VSAO3048	Opera Ensemble 6	CON	733
VSAO1622	Opera Diction 2	CON	726	VSAO3057	Jazz Vocal (Minor) 5	CON	734
VSAO1631	Movement and Production 1	CON	727	VSAO3058	Jazz Vocal (Minor) 6	CON	734

VSAO3313	Opera Repertoire 5	CON	734	WIND2033	Saxophone 4 (Minor)	CON	742
VSAO3314	Opera Repertoire 6	CON	734	WIND2613	Bassoon 3	CON	742
VSAO3615	Voice 5	CON	734	WIND2614	Bassoon 4	CON	742
VSAO3616	Voice 6	CON	734	WIND2623	Clarinet 3	CON	742
VSAO3625	Opera Diction 5	CON	734	WIND2624	Clarinet 4	CON	742
VSAO3626	Opera Diction 6	CON	734	WIND2633	Flute 3	CON	742
VSAO3635	Movement and Production 5	CON	735	WIND2634	Flute 4	CON	743
VSAO3636	Movement and Production 6	CON	735	WIND2643	Oboe 3	CON	743
VSAO3645	Diction for Performance 1	CON	735	WIND2644	Oboe 4	CON	743
VSAO3646	Diction for Performance 2	CON	735	WIND2663	Saxophone 3	CON	743
VSAO3715	Voice 5 (Advanced)	CON	735	WIND2664	Saxophone 4	CON	743
VSAO3716	Voice 6 (Advanced)	CON	735	WIND2713	Bassoon 3 (Advanced)	CON	743
VSAO4000	Voice 7 (Minor)	CON	735	WIND2714	Bassoon 4 (Advanced)	CON	743
VSAO4001	Voice 8 (Minor)	CON	735	WIND2723	Clarinet 3 (Advanced)	CON	743
VSAO4002	Voice 7 (Major)	CON	736	WIND2724	Clarinet 4 (Advanced)	CON	744
VSAO4004	Voice 8 (Major)	CON	736	WIND2733	Flute 3 (Advanced)	CON	744
VSAO4037	Vocal Performance Class 7	CON	736	WIND2734	Flute 4 (Advanced)	CON	744
VSAO4038	Vocal Performance Class 8	CON	736	WIND2743	Oboe 3 (Advanced)	CON	744
VSAO4617	Voice 7	CON	736	WIND2744	Oboe 4 (Advanced)	CON	744
VSAO4618	Voice 8	CON	736	WIND2763	Saxophone 3 (Advanced)	CON	744
VSAO4647	Diction for Performance 3	CON	736	WIND2764	Saxophone 4 (Advanced)	CON	744
VSAO4648	Diction for Performance 4	CON	736	WIND3002	Bassoon 5 (Major)	CON	745
VSAO4717	Voice 7 (Advanced)	CON	737	WIND3003	Bassoon 6 (Major)	CON	745
VSAO4718	Voice 8 (Advanced)	CON	737	WIND3004	Clarinet 5 (Major)	CON	745
				WIND3005	Clarinet 6 (Major)	CON	745
				WIND3006	Flute 5 (Major)	CON	745
				WIND3007	Flute 6 (Major)	CON	745
				WIND3008	Oboe 5 (Major)	CON	745
				WIND3009	Oboe 6 (Major)	CON	745
				WIND3010	Pedagogy Woodwind 1	CON	745
				WIND3011	Pedagogy Woodwind 2	CON	745
				WIND3014	Recorder 5 (Major)	CON	746
				WIND3015	Recorder 6 (Major)	CON	746
				WIND3016	Saxophone 5 (Major)	CON	746
				WIND3017	Saxophone 6 (Major)	CON	746
				WIND3018	Saxophone Orchestra 5	CON	746
				WIND3019	Saxophone Orchestra 6	CON	746
				WIND3020	Woodwind Class 3	CON	746
				WIND3021	Woodwind Class 4	CON	746
				WIND3024	Bassoon 5 (Minor)	CON	747
				WIND3025	Bassoon 6 (Minor)	CON	747
				WIND3026	Clarinet 5 (Minor)	CON	747
				WIND3027	Clarinet 6 (Minor)	CON	747
				WIND3028	Flute 5 (Minor)	CON	747
				WIND3029	Flute 6 (Minor)	CON	747
				WIND3030	Oboe 5 (Minor)	CON	747
				WIND3031	Oboe 6 (Minor)	CON	747
				WIND3034	Saxophone 5 (Minor)	CON	747
				WIND3035	Saxophone 6 (Minor)	CON	747
				WIND3036	Woodwind Class 5	CON	747
				WIND3037	Woodwind Class 6	CON	748
				WIND3615	Bassoon 5	CON	748
				WIND3616	Bassoon 6	CON	748
				WIND3625	Clarinet 5	CON	748
				WIND3626	Clarinet 6	CON	748
				WIND3635	Flute 5	CON	748
<b>W</b>							
WIND1016	Saxophone Orchestra 1	CON	739				
WIND1017	Saxophone Orchestra 2	CON	739				
WIND1611	Bassoon 1	CON	739				
WIND1612	Bassoon 2	CON	739				
WIND1621	Clarinet 1	CON	739				
WIND1622	Clarinet 2	CON	739				
WIND1631	Flute 1	CON	739				
WIND1632	Flute 2	CON	739				
WIND1641	Oboe 1	CON	739				
WIND1642	Oboe 2	CON	740				
WIND1661	Saxophone 1	CON	740				
WIND1662	Saxophone 2	CON	740				
WIND2002	Bassoon 3 (Major)	CON	740				
WIND2003	Bassoon 4 (Major)	CON	740				
WIND2004	Clarinet 3 (Major)	CON	740				
WIND2005	Clarinet 4 (Major)	CON	740				
WIND2006	Flute 3 (Major)	CON	740				
WIND2007	Flute 4 (Major)	CON	740				
WIND2008	Oboe 3 (Major)	CON	741				
WIND2009	Oboe 4 (Major)	CON	741				
WIND2014	Saxophone 3 (Major)	CON	741				
WIND2015	Saxophone 4 (Major)	CON	741				
WIND2016	Saxophone Orchestra 3	CON	741				
WIND2017	Saxophone Orchestra 4	CON	741				
WIND2018	Woodwind Class 1	CON	741				
WIND2019	Woodwind Class 2	CON	741				
WIND2023	Bassoon 4 (Minor)	CON	741				
WIND2024	Clarinet 3 (Minor)	CON	742				
WIND2025	Clarinet 4 (Minor)	CON	742				
WIND2032	Saxophone 3 (Minor)	CON	742				







# Index by name

This index shows each unit of study in alphabetical order, sorted by course name.

## Numeric

17th Century Art: Royalty and Riches	ARHT2612	49
20th Century Australian Architecture	DAAE2001	187
20th Century Europe: Age of Catastrophe?	KCSE4103	431
3D Modelling	DECO1008	190
3D Modelling	DECO2103	192

## A

A Global Sound: African American Music	MUSC2666	546
A Greek Odyssey: The First Millennium BC	ARCA2612	45
A History of Australian Art	THAP7201	706
Abnormal Psychology	PSYC3018	630
Aboriginal Studies A	AHCD1061	22
Aboriginal Studies B	AHCD1067	23
Aboriginal Studies in Schools	KCDE2202	429
Aboriginal Studies: Stages 4, 5 & 6	KCSE3102	430
Academic English	WRIT1001	758
Academic Literacies 1	KCDE1101	427
Academic Literacies 2	KCDE1201	428
Academic Skills 1AF	KCAS1201	427
Academic Skills 1AP	KCAS1101	427
Academic Skills 1BF	KCAS1202	427
Academic Skills 1BP	KCAS1102	427
Academic Skills 2AF	KCAS2201	427
Academic Skills 2AP	KCAS2101	427
Academic Skills 2BF	KCAS2202	427
Academic Skills 2BP	KCAS2102	427
Academic Skills Workshop A	AHCD1059	22
Academic Skills Workshop B	AHCD1065	22
Academic Writing	WRIT1002	759
Accompaniment 1	ENSE1000	291
Accompaniment 2	ENSE1001	291
Accompaniment 3	ENSE2000	294
Accompaniment 4	ENSE2001	294
Accompaniment 5	ACCP3605	1
Accompaniment 5 (Advanced)	ACCP4705	3
Accompaniment 6	ACCP3606	1
Accompaniment 6 (Advanced)	ACCP4706	3
Accompaniment 7	ACCP4607	2
Accompaniment 7 (Advanced)	ACCP4707	3
Accompaniment 8	ACCP4608	2
Accompaniment 8 (Advanced)	ACCP4708	3
Accounting Exchange	ACCT1551	4
Accounting Exchange	ACCT2551	4
Accounting Exchange	ACCT2552	4
Accounting Exchange	ACCT3551	5
Accounting Exchange	ACCT3552	6

Accounting Exchange	ACCT3553	6
Accounting Exchange	ACCT3554	6
Accounting Extension	ACCT9001	6
Accounting Extension	ACCT9002	6
Accounting Extension	ACCT9003	6
Accounting Extension	ACCT9004	6
Accounting Honours A	ACCT4101	6
Accounting Honours B	ACCT4102	6
Accounting Honours C	ACCT4103	6
Accounting Honours D	ACCT4104	6
Accounting Honours Preparation A	ACCT3098	5
Accounting Honours Preparation B	ACCT3099	5
Accounting IA	ACCT1001	3
Accounting IB	ACCT1002	3
Acquired Brain Injury Rehabilitation	REHB3067	635
Action Research	AHCD4018	24
Addictions Counselling	AHCD4040	25
Administration of PDHPE and Sport	EDUH4057	254
Administrative Law	LAWS2002	444
Administrative Law	LAWS2010	445
Adolescent Health Issues	EDUH3028	253
Adv Professional Eng Managemt & Practice	ENGG4006	283
Advanced Aircraft Design	AERO4491	10
Advanced Aural	MCGY3600	487
Advanced Aural 2	MCGY3001	485
Advanced Australia	HSTY2679	382
Advanced Cardiopulmonary Physiotherapy	SING4085	660
Advanced Chinese Studies A	CHNS3605	147
Advanced Chinese Studies B	CHNS3606	147
Advanced Clinical IA	CSCD4028	183
Advanced Clinical IB	CSCD4032	184
Advanced Clinical IH	CSCD4035	184
Advanced Clinical IIA: Adult	CSCD4047	185
Advanced Clinical IIA: Child	CSCD4048	185
Advanced Clinical IIB: Adult	CSCD4049	185
Advanced Clinical IIB: Child	CSCD4050	185
Advanced Clinical IIH	CSCD4037	184
Advanced Clinical Nursing Assessment	ASSN3001	66
Advanced Clinical Nursing Assessment	NURS3001	551
Advanced Clinical Nursing Assessment	SNGP3001	662
Advanced Communication Techniques in OT	SING4057	658
Advanced Concepts	MUSC2615	544
Advanced Contracts	LAWS3007	448
Advanced Corporate Law	LAWS3008	448
Advanced Engineering 1A	ENGG1061	281
Advanced Engineering Design A	ENGG4064	283
Advanced Engineering Design B	ENGG4065	284
Advanced Engineering Materials	MECH4310	495
Advanced Flight Mechanics	AERO4591	11



Advanced Fundamentals of Music	MUSC2693	546	Agricultural Chemistry Honours C	AGCH4023	14
Advanced Greek	GRKA3600	351	Agricultural Chemistry Honours D	AGCH4024	15
Advanced Harmony	MCGY2600	483	Agricultural Development Economics	AGEC4102	17
Advanced Harmony 2	MCGY2001	481	Agricultural Economics 1	AGEC1102	15
Advanced Interactive Multimedia Design	DECO3005	196	Agricultural Entomology	ENTO2001	298
Advanced Issues in MRS	MRTY3103	516	Agricultural Finance and Risk	AGEC4109	18
Advanced Italian: Translation	ITLN3688	404	Agricultural Genetics 2	GENE2001	330
Advanced Latin	LATN3600	440	Agricultural Marketing Analysis	AGEC4101	17
Advanced Macroeconomics	ECOS3902	222	Air Conditioning and Refrigeration	MECH4255	495
Advanced Media Writing	MECO3606	499	Akkadian Language 1	HBRW2661	362
Advanced Microeconomics	ECOS3901	222	Akkadian Language 2	HBRW2662	362
Advanced Musculoskeletal Physiotherapy	SING4084	660	Alcohol and Drug Misuse Rehabilitation	REHB3064	634
Advanced Mycology and Plant Pathology	PPAT4004	619	Algebra (Advanced)	MATH2968	470
Advanced Neurological Physiotherapy	SING4086	660	Algebra and Number Theory	MATH3062	470
Advanced Public International Law	LAWS3009	448	Algorithms and Complexity	COMP2007	170
Advanced Real Property	LAWS3010	449	Algorithms and Complexity (Advanced)	COMP2907	171
Advanced Science Exchange	SCGN2951	645	American Foundations	AMST2601	31
Advanced Science Exchange	SCGN2952	645	American History from Lincoln to Clinton	HSTY1076	379
Advanced Science Exchange	SCGN2953	646	American Politics and Foreign Policy	GOVT2445	348
Advanced Science Exchange	SCGN2954	646	American Revolutions	HSTY2666	382
Advanced Science Exchange	SCGN3951	646	American Studies Exchange	AMST2801	32
Advanced Science Exchange	SCGN3952	646	American Studies Exchange	AMST2802	32
Advanced Science Exchange	SCGN3953	646	American Studies Exchange	AMST2803	32
Advanced Science Exchange	SCGN3954	646	American Studies Exchange	AMST2804	32
Advanced Small Ensemble 1	JAZZ2000	411	American Studies Exchange	AMST2805	32
Advanced Small Ensemble 2	JAZZ2001	411	American Studies Exchange	AMST2806	32
Advanced Small Ensemble 3	JAZZ3000	415	An Audience Prepares	PRFM2602	623
Advanced Small Ensemble 4	JAZZ3001	416	Anaesthesia and Intensive Care (UVTHS)	VETS5347	722
Advanced Small Ensemble 5	JAZZ4000	418	Analysing Occupation and Performance	OCCP1097	556
Advanced Small Ensemble 6	JAZZ4001	418	Analysis	MATH3068	471
Advanced Spanish 1	SPAN3601	665	Analysis of Discrete Choice Data	ECMT2120	209
Advanced Spanish 2	SPAN3602	665	Analytical Methods & Information Systems	ISYS3401	401
Advanced Statistics for Psychology	PSYC3010	628	Anatomical Analysis of Exercise	BIOS3065	109
Advanced Topics A	CSCD4026	183	Anatomy and Histology Exchange	ANAT2551	32
Advanced Topics B	CSCD4030	183	Anatomy and Histology Exchange	ANAT2552	33
Advances in Chemical Engineering A	CHNG4003	141	Anatomy and Histology Exchange	ANAT2553	33
Advertising: Creative Principles	MKTG3121	509	Anatomy and Histology Exchange	ANAT2554	33
Aerodynamics 1	AERO3260	8	Anatomy and Histology Exchange	ANAT2555	33
Aerodynamics 2	AERO4260	10	Anatomy and Histology Exchange	ANAT3551	34
Aerospace Design 1	AERO3460	8	Anatomy and Histology Exchange	ANAT3552	34
Aerospace Design 2	AERO4460	10	Anatomy and Histology Exchange	ANAT3553	34
Aerospace Management	AERO3660	9	Anatomy and Histology Exchange	ANAT3554	34
Aerospace Structures 1	AERO3360	8	Anatomy and Physiology for Engineers	MECH2901	492
Aerospace Structures 2	AERO4360	10	Anatomy Honours A	ANAT4011	34
Aerospace Technology 1	AERO2703	7	Anatomy Honours B	ANAT4012	34
Aerospace Technology 2	AERO3465	8	Anatomy Honours C	ANAT4013	34
Aesthetics and Art	PHIL2618	591	Anatomy Honours D	ANAT4014	35
Ageing Society and Professional Practice	BACH3095	81	Anatomy Support (A)	AHCD1009	20
Agribusiness Analysis	AGEC4104	17	Anatomy Support (B)	AHCD1010	20
Agribusiness Management	AGEC3101	16	Anatomy Workshop A	AHCD1062	22
Agribusiness Marketing	AGEC2102	15	Anatomy Workshop B	AHCD1068	23
Agricultural and Resource Policy	AGEC3102	16	Ancient Civilisations	ARCA1001	44
Agricultural and Resource Systems	AGEC1101	15	Ancient Egyptian Religion and Magic	RLST2636	638
Agricultural Chemistry	AGCH2004	13	Ancient Greek Religion	ANHS2605	35
Agricultural Chemistry Honours A	AGCH4021	14	Ancient History Exchange	ANHS1801	35
Agricultural Chemistry Honours B	AGCH4022	14	Ancient History Exchange	ANHS2804	36

Ancient History Exchange	ANHS2805	36	Applied Mathematics Honours C	MATH4403	476
Ancient History Exchange	ANHS2806	36	Applied Mathematics Honours D	MATH4404	476
Ancient History Exchange	ANHS2810	36	Applied Maths for Chemical Engineers	CHNG2802	136
Ancient History Exchange	ANHS2811	36	Applied Multivariate Analysis	BIOM4004	103
Ancient History Honours A	ANHS4011	36	Applied Nutrition	EXSS3048	309
Ancient History Honours B	ANHS4012	36	Applied Optimisation	AGEC3103	17
Ancient History Honours C	ANHS4013	36	Applied Pharmacology in Nursing Practice	SNGP3008	662
Ancient History Honours D	ANHS4014	37	Applied Physiology	EXSS2024	306
Ancient Imperialism	ANHS2601	35	Applied Physiology	EXSS3019	306
Animal Behaviour and Animal Welfare Sci	VETS3018	716	Applied Statistics	STAT3014	670
Animal Behaviour and Welfare Science 3	ANSC3106	38	Approaches to Arabic and Islamic Studies	ARIS3680	57
Animal Biotechnology	ANSC3105	38	Approaches to Research in Asian Studies	ASNS3690	66
Animal Conservation Biology	ANSC2004	37	Approaches to the Arab Israeli Conflict	HSTY2607	380
Animal Digestion and Nutrition	VETS2010	714	Approaching Heritage Studies	HRTG2601	371
Animal Disease	VETS3038	716	Aquaculture	AVBS4009	70
Animal Disease	VETS3242	717	Aquaculture	NTMP3004	551
Animal Genetics 3	ANSC3107	39	Arab World Islam & Middle East Exchange	ARIS2801	56
Animal Health and Disease	AVBS4001	69	Arab World Islam & Middle East Exchange	ARIS2802	57
Animal Husbandry 1A	VETS1006	711	Arab World Islam & Middle East Exchange	ARIS2803	57
Animal Husbandry 1A	VETS1030	712	Arab World Islam & Middle East Exchange	ARIS2804	57
Animal Husbandry 1B	VETS1019	712	Arab World Islam & Middle East Exchange	ARIS2805	57
Animal Husbandry 1B	VETS1033	713	Arab World Islam & Middle East Exchange	ARIS2806	57
Animal Husbandry Practical Report	VETS4331	720	Arabic Advanced for Media Studies 6A	ARBC3636	43
Animal Law (seminar)	LAWS3088	455	Arabic Advanced for Media Studies 8A	ARBC3638	44
Animal Nutrition 3	ANSC3101	37	Arabic Advanced Language & Literature 3A	ARBC2633	42
Animal Physiology	BIOL3012	97	Arabic Advanced Language & Literature 4A	ARBC2634	42
Animal Physiology (Advanced)	BIOL3912	100	Arabic Advanced Translation & Writing 5A	ARBC3635	43
Animal Reproduction	ANSC3102	37	Arabic Advanced Translation & Writing 7A	ARBC3637	43
Animal Structure and Function A	ANSC3103	37	Arabic and Islamic Studies Honours A	ARIS4011	57
Animal Structure and Function B	ANSC3104	38	Arabic and Islamic Studies Honours B	ARIS4012	57
Animal/Human Cultures	GCST2603	322	Arabic and Islamic Studies Honours C	ARIS4013	57
Animal-Veterinary Bioscience Exchange 1	AVBS3501	68	Arabic and Islamic Studies Honours D	ARIS4014	57
Animal-Veterinary Bioscience Exchange 2	AVBS3502	68	Arabic Exchange	ARBC2811	43
Animal-Veterinary Bioscience Exchange 3	AVBS3503	68	Arabic Exchange	ARBC2812	43
Animal-Veterinary Bioscience Exchange 4	AVBS3504	68	Arabic Exchange	ARBC2813	43
Animal-Veterinary Bioscience Exchange 5	AVBS3505	68	Arabic Exchange	ARBC2814	43
Animal-Veterinary Bioscience Exchange 6	AVBS3506	68	Arabic Introductory 1B	ARBC1611	42
Animal-Veterinary Bioscience Exchange 7	AVBS3507	69	Arabic Introductory 2B	ARBC1612	42
Animal-Veterinary Bioscience Exchange 8	AVBS3508	69	Arabic Language and Literature 3B	ARBC2613	42
Anthropology and the Global	ANTH1002	39	Arabic Language and Literature 4B	ARBC2614	42
Applications of Psychological Science	PSYC3020	630	Arabic Language and Literature 5B	ARBC3615	43
Applications of Recombinant DNA Tech	BIOL3018	97	Arabic Language and Literature 6B	ARBC3616	43
Applications of Recombinant DNA Tech Adv	BIOL3918	100	Arab-Islamic Civilisation: Introduction	ARIS1672	56
Applied Statistics Advanced	STAT3914	671	Arabs, Islam & Middle East: Introduction	ARIS1671	56
Applied Anatomy and Physiology	EDUH2001	251	Aramaic 1	HBRW2641	361
Applied Biomedical Engineering	AMME4981	31	Aramaic 2	HBRW2642	361
Applied Econometric Modelling	AGEC2105	16	Archaeological Research Principles	ARCA3600	45
Applied Econometrics	ECMT3120	210	Archaeology (Classical) Exchange	ARCL1801	47
Applied Economics	ECOS3903	222	Archaeology (Classical) Exchange	ARCL2804	47
Applied International Studies	GOVT2801	349	Archaeology (Classical) Exchange	ARCL2805	47
Applied Linear Methods	STAT3012	669	Archaeology (Classical) Exchange	ARCL2806	48
Applied Linear Methods Advanced	STAT3912	671	Archaeology (Classical) Exchange	ARCL2810	48
Applied Mathematics (STABEX)	MATH4405	476	Archaeology (Classical) Exchange	ARCL2811	48
Applied Mathematics (STABEX)	MATH4406	476	Archaeology (Classical) Honours A	ARCL4011	48
Applied Mathematics Honours A	MATH4401	476	Archaeology (Classical) Honours B	ARCL4012	48
Applied Mathematics Honours B	MATH4402	476	Archaeology (Classical) Honours C	ARCL4013	48

Archaeology (Classical) Honours D	ARCL4014	48	Art History and Theory Honours C	ARHT4013	53
Archaeology (Near Eastern) Exchange	ARNE1801	58	Art History and Theory Honours D	ARHT4014	53
Archaeology (Near Eastern) Exchange	ARNE2804	58	Art Practice	AWSS1003	72
Archaeology (Near Eastern) Exchange	ARNE2805	58	Artificial Humans in German Culture	GRMN2685	355
Archaeology (Near Eastern) Exchange	ARNE2806	58	Artist in Residence 1	CAEL2028	122
Archaeology (Near Eastern) Exchange	ARNE2810	58	Artist in Residence 2	CAEL3013	123
Archaeology (Near Eastern) Exchange	ARNE2811	58	Arts Exchange	ARTS2801	60
Archaeology (Near Eastern) Honours A	ARNE4011	58	Arts Exchange	ARTS2802	60
Archaeology (Near Eastern) Honours B	ARNE4012	58	Arts Exchange	ARTS2803	60
Archaeology (Near Eastern) Honours C	ARNE4013	59	Arts Exchange	ARTS2804	60
Archaeology (Near Eastern) Honours D	ARNE4014	59	Arts Music Concert Performance 1	MUSC2612	543
Archaeology (Prehist/Historical) Hons A	ARPH4011	59	Arts Music Concert Performance 2	MUSC2613	544
Archaeology (Prehist/Historical) Hons B	ARPH4012	60	Arts Music Concert Performance 3	MUSC3604	547
Archaeology (Prehist/Historical) Hons C	ARPH4013	60	Arts Music Concert Performance 4	MUSC3605	547
Archaeology (Prehist/Historical) Hons D	ARPH4014	60	Arts Music Ensemble 1	MUSC2618	544
Archaeology (Prehistoric & Historic) Exchange	ARPH1801	59	Arts Music Ensemble 2	MUSC2619	544
Archaeology (Prehistoric & Historic) Exchange	ARPH2804	59	Arts-Based Learning and Teaching	EDUF3036	249
Archaeology (Prehistoric & Historic) Exchange	ARPH2805	59	Asian Studies Exchange	ASNS1801	63
Archaeology (Prehistoric & Historic) Exchange	ARPH2806	59	Asian Studies Exchange	ASNS2651	64
Archaeology Exchange	ARCA2801	45	Asian Studies Exchange	ASNS2652	64
Archaeology Exchange	ARCA2802	45	Asian Studies Exchange	ASNS2653	64
Archaeology Exchange	ARCA2803	45	Asian Studies Exchange	ASNS2654	64
Archaeology Exchange	ARCA2804	45	Asian Studies Exchange	ASNS2655	64
Archaeology Exchange	ARCA2805	45	Asian Studies Exchange	ASNS2656	64
Archaeology Exchange	ARCA2806	45	Asian Studies Honours A	ASNS4011	66
Archaeology Exchange	ARCA2807	45	Asian Studies Honours B	ASNS4012	66
Archaeology Exchange	ARCA2808	45	Asian Studies Honours C	ASNS4013	66
Archaeology: An Introduction	ARCA1002	44	Asian Studies Honours D	ASNS4014	66
Architectural Design Studio C	ARCH5101	46	Asian Traditions: Past in the Present	ASNS1601	62
Architectural Design Studio D	ARCH5201	46	Asia-Pacific Field School-A (Adv)	GEOS3953	345
Architectural Sketching and Drawing	AWSS1001	72	Asia-Pacific Field School-Assessment A	GEOS3053	341
Architectural Technologies	DAAP3002	189	Asia-Pacific Field School-Assessment B	GEOS3054	342
Architecture, Place and Society	DAAE2002	187	Asia-Pacific Field School-B (Adv)	GEOS3954	345
Argentina for Export	SPAN3623	666	Assess and Manage Refractive Errors	ORTH3050	566
Arguing the Point	GCST4101	324	Assessment and Evaluation in PDHPE	EDUH3014	253
Art and Archaeology of South East Asia	ARHT2641	50	Astronomy	PHYS1500	605
Art and Experience	ARHT1001	48	Astrophysics and Relativity	PHYS2013	606
Art and Experience in Renaissance Italy	ARHT2611	49	Astrophysics and Relativity (Advanced)	PHYS2913	607
Art and Society in Trecento Italy	ARHT2610	49	Atmospheric Processes and Climate	ENVI2112	299
Art Curriculum 1	EDBT5602	226	Audiological Management I	CSCD2046	178
Art Curriculum 1 (Extension)	EDBT5603	226	Audiological Management II	CSCD3049	181
Art Curriculum 2	EDBT5652	229	Audiology I	CSCD2040	177
Art Curriculum 2 (Extension)	EDBT5653	229	Audiology II	CSCD3055	181
Art Curriculum 3	EDBT6602	233	Auditing and Assurance	ACCT3014	5
Art Curriculum 3 (Extension)	EDBT6603	233	Auditory Perception and Processing	CSCD3058	182
Art History and Theory Exchange	ARHT1801	48	Aural Perception 1	MCGY1000	479
Art History and Theory Exchange	ARHT2810	51	Aural Perception 1A	MCGY1001	479
Art History and Theory Exchange	ARHT2811	51	Aural Perception 1B	MCGY1002	479
Art History and Theory Exchange	ARHT2812	51	Aural Perception 2	MCGY1003	479
Art History and Theory Exchange	ARHT2813	51	Aural Perception 3	MCGY2004	481
Art History and Theory Exchange	ARHT2814	51	Aural Perception 4	MCGY2005	481
Art History and Theory Exchange	ARHT2815	51	Aust Flora: Ecology & Conservation (Adv)	PLNT2902	616
Art History and Theory Exchange	ARHT2816	51	Aust Flora: Ecology and Conservation	PLNT2002	616
Art History and Theory Exchange	ARHT2817	51	Australia and the World	HSTY2676	382
Art History and Theory Honours A	ARHT4011	52	Australia WW1 to Whitlam	KCSE3104	430
Art History and Theory Honours B	ARHT4012	53	Australia: Colonies to Nation	HSTY1089	380

Australia: Land and Nation	ASTR2601	67	Bassoon 5 (Major)	WIND3002	745
Australia: Politics and Nation	HSTY2677	382	Bassoon 5 (Minor)	WIND3024	747
Australian and Asian Music 1	MUSC2651	545	Bassoon 6	WIND3616	748
Australian Foreign and Defence Policy	GOVT2116	346	Bassoon 6 (Major)	WIND3003	745
Australian Gothic	ASLT2619	61	Bassoon 6 (Minor)	WIND3025	747
Australian Literature 1920-1960	ASLT2601	60	Bassoon 7	WIND4617	752
Australian Literature 1960-1988	ASLT2602	60	Bassoon 7 (Advanced)	WIND4717	752
Australian Literature Honours A	ASLT4011	61	Bassoon 7 (Major)	WIND4004	749
Australian Literature Honours B	ASLT4012	62	Bassoon 7 (Minor)	WIND4034	751
Australian Literature Honours C	ASLT4013	62	Bassoon 8	WIND4618	752
Australian Literature Honours D	ASLT4014	62	Bassoon 8 (Advanced)	WIND4718	753
Australian Literature Research Issues	ASLT3602	61	Bassoon 8 (Major)	WIND4005	749
Australian Literature Research Methods	ASLT3601	61	Bassoon 8 (Minor)	WIND4035	751
Australian Media Studies	MECO1001	497	Beginning Professional Experiences	EDUP2027	256
Australian Politics	GOVT1101	346	Behaving the Japanese Way	JPNS3677	425
Australian Secondary Schooling	EDUF3030	248	Behaviour Assessment and Interventions	EDSP4002	245
Australian Social Policy	SCPL2601	651	Behaviour Disorders and Management	BACH3115	81
Australian Taxation System	CLAW3201	159	Behaviour, Management and Health	BACH2144	80
Australian Texts: International Contexts	ENGL1008	284	Behavioural and Cognitive Neuroscience	PSYC3014	629
Australian Theatre, Film and Learning	EDUF3034	249	Behavioural Science Workshop A	AHCD1063	22
Avocational Rehabilitation	REHB3039	633	Behavioural Science Workshop B	AHCD1069	23
			Behavioural Sciences Support (A)	AHCD1020	21
			Behavioural Sciences Support (B)	AHCD1021	21
<b>B</b>			Being There: Theories of Performance	PRFM2601	623
Bank Financial Management	FINC3018	314	Benefit-Cost Analysis	RSEC4131	639
Banking and Finance Law	CLAW2204	159	Between Impro & Text: Making Performance	PRFM2603	623
Banking and Financial Instruments	LAWS3101	456	Biblical Studies 1	BBCL1001	85
Bankruptcy and Insolvency	CLAW2202	158	Biblical Studies 2	BBCL1002	85
Baroque Flute 1	EMUS1621	269	Biblical Studies Honours A	BBCL4011	85
Baroque Flute 2	EMUS1622	269	Biblical Studies Honours B	BBCL4012	85
Baroque Flute 3	EMUS2623	272	Biblical Studies Honours C	BBCL4013	85
Baroque Flute 3 (Advanced)	EMUS2723	274	Biblical Studies Honours D	BBCL4014	85
Baroque Flute 4	EMUS2624	272	Big Band 1	JAZZ1000	407
Baroque Flute 4 (Advanced)	EMUS2724	274	Big Band 2	JAZZ1001	407
Baroque Flute 5	EMUS3625	276	Big Band 3	JAZZ2002	411
Baroque Flute 6	EMUS3626	276	Big Band 4	JAZZ2003	411
Baroque Flute 7	EMUS4627	278	Big Band 5	JAZZ3002	416
Baroque Flute 7 (Advanced)	EMUS4727	279	Big Band 6	JAZZ3003	416
Baroque Flute 8	EMUS4628	278	Big Band 7	JAZZ4002	419
Baroque Flute 8 (Advanced)	EMUS4728	280	Big Band 8	JAZZ4003	419
Basic and Clinical Sciences 1	GDMP1011	326	Bilingualism	LNGS3696	460
Basic and Clinical Sciences 2	GDMP1021	326	Biochemical Engineering	CHNG3804	139
Basic and Clinical Sciences 3	GDMP2011	327	Biochemistry and Human Biology	BIOS1161	106
Basic and Clinical Sciences 4	GDMP2021	327	Biochemistry Exchange	BCHM2553	86
Basic and Clinical Sciences 5	GDMP3012	327	Biochemistry Exchange	BCHM2554	86
Basic and Clinical Sciences 6	GDMP3022	328	Biochemistry Exchange	BCHM2555	86
Basic Pharmaceutical Sciences	PHAR1812	579	Biochemistry Exchange	BCHM2556	86
Bassoon 1	WIND1611	739	Biochemistry Exchange	BCHM3551	88
Bassoon 2	WIND1612	739	Biochemistry Exchange	BCHM3552	88
Bassoon 3	WIND2613	742	Biochemistry Exchange	BCHM3553	88
Bassoon 3 (Advanced)	WIND2713	743	Biochemistry Exchange	BCHM3554	89
Bassoon 3 (Major)	WIND2002	740	Biochemistry Exchange	BCHM3555	89
Bassoon 4	WIND2614	742	Biochemistry Exchange	BCHM3556	89
Bassoon 4 (Advanced)	WIND2714	743	Biochemistry Honours A	BCHM4011	90
Bassoon 4 (Major)	WIND2003	740	Biochemistry Honours B	BCHM4012	90
Bassoon 4 (Minor)	WIND2023	741	Biochemistry Honours C	BCHM4013	90
Bassoon 5	WIND3615	748			

Biochemistry Honours D	BCHM4014	91	Brain and Behaviour	PSYC2011	627
Biochemistry of Exercise	EXSS2017	305	Britain and the World: C.1837-1914	HSTY2672	382
Bioethics	HPSC1000	366	Buddhism in Modern Asia	ASNS2625	63
Bioethics (Advanced)	HPSC1900	367	Buddhist Philosophy	ASNS2621	63
Bioinformatics and Genomics	BIOL3027	98	Building and Managing Brands	MKTG3120	509
Bioinformatics and Genomics (Advanced)	BIOL3927	101	Business and Economic Statistics A	ECMT1010	209
Bioinformatics Exchange	BINF3551	92	Business and Economic Statistics B	ECMT1020	209
Bioinformatics Project	BINF3101	91	Business German	GRMN2637	355
Biological Aspects of Ageing	BIOS1172	107	Business in the Global Environment	CISS2001	149
Biological Sciences IIIA	BIOS3042	108	Business Information Systems	INFS2001	394
Biological Sciences IIIB	BIOS3043	108	Business Information Systems Exchange	INFS1551	394
Biological Sciences Orientation	AHCD1011	20	Business Information Systems Exchange	INFS2551	394
Biological Sciences Support	AHCD1057	21	Business Information Systems Exchange	INFS2552	394
Biological Sciences Support (A)	AHCD1012	20	Business Information Systems Exchange	INFS3551	395
Biological Sciences Support (B)	AHCD1013	21	Business Information Systems Exchange	INFS3552	395
Biology Exchange	BIOL1551	92	Business Information Systems Exchange	INFS3553	395
Biology Exchange	BIOL1552	92	Business Information Systems Exchange	INFS3554	395
Biology Exchange	BIOL2554	94	Business Information Systems Exchange	INFS3555	396
Biology Exchange	BIOL2555	94	Business Information Systems Extension	INFS9001	396
Biology Exchange	BIOL2556	94	Business Information Systems Extension	INFS9002	396
Biology Exchange	BIOL2557	94	Business Information Systems Extension	INFS9003	396
Biology Exchange	BIOL3551	98	Business Information Systems Extension	INFS9004	396
Biology Exchange	BIOL3552	98	Business Information Systems Foundations	INFS1000	394
Biology Exchange	BIOL3553	98	Business Information Systems Honours A	INFS4101	396
Biology Exchange	BIOL3554	98	Business Information Systems Honours B	INFS4102	396
Biology Exchange	BIOL3555	98	Business Information Systems Honours C	INFS4103	396
Biology Exchange	BIOL3556	98	Business Information Systems Honours D	INFS4104	396
Biology Exchange	BIOL3557	99	Business Information Systems Project	INFS3080	395
Biology Honours A	BIOL4016	101	Business Negotiations	IBUS3107	386
Biology Honours B	BIOL4012	101	Business Process Integration & Modelling	INFS2020	394
Biology Honours C	BIOL4013	101	Business Strategy	ECOF3001	213
Biology Honours D	BIOL4014	101	Business Taxation	LAWS3013	449
Biomechanical Analysis of Movement	EXSS2018	305			
Biomechanics A	EXSS1026	303	<b>C</b>		
Biomechanics and Biomaterials	MECH4961	497	Canonical Poetry	ENGL3605	287
Biomechanics B	EXSS1027	303	Capital and Growth	ECOS3001	219
Biomechanics of Human Movement	EXSS1018	303	Capitalism and Democracy in East Asia	GOVT2611	348
Biomechanics of Sports Techniques	EXSS3044	308	Cardiac, Respiratory and Renal Function	BMED2803	111
Biomechanics Support (1)	AHCD1018	21	Cardiopulmonary & Neurological Physio	PHTY4093	602
Biomechanics Support (2)	AHCD2008	23	Cardiopulmonary Physiotherapy A	PHTY2048	600
Biomedical Design and Technology	MECH3921	494	Cardiopulmonary Physiotherapy B	PHTY3051	601
Biomedical Product Development	AMME4990	31	Casemix/Practical Coding	HIMT3055	363
Biometrical Methods	BIOM4005	103	Catalysis and Sustainable Process (Adv)	CHEM3913	134
Biometry 2	BIOM2001	101	Catalysis and Sustainable Processes	CHEM3113	132
Biometry 3	BIOM3004	102	Cell Biology	BIOL2016	93
Biomolecules: Properties & Reactions Adv	CHEM3910	134	Cell Biology (Advanced)	BIOL2916	95
Biomolecules: Properties and Reactions	CHEM3110	132	Cell Biology 1A	VETS1013	711
Biostatistics	MATH1015	465	Cell Biology 1A	VETS1032	713
Bird Health and Production	VETS4221	719	Cell Biology 1B	VETS1018	711
BIS Assurance and Control	INFS3030	395	Cell Metabolism and Biochemistry	EXSS1031	304
Bodies, Sexualities, Identities	GCST2607	322	Cell Pathology Exchange	CPAT3551	176
Body Systems I	BIOS1127	103	Cell Pathology Exchange	CPAT3552	176
Body Systems II and Pharmacology	BIOS2099	108	Cell Pathology Honours A	CPAT4011	176
Body Systems: Structure & Function II	BIOS2098	108	Cell Pathology Honours B	CPAT4012	176
Body Systems: Structure and Function	BIOS1170	107	Cell Pathology Honours C	CPAT4013	176
Body Systems: Structure and Function I	BIOS1133	104	Cell Pathology Honours D	CPAT4014	176

Cell Structure and Function	BMED2801	110	Chemistry 1B (Advanced)	CHEM1902	129
Cello Ensemble 1	STRG1000	672	Chemistry 1B (Special Studies Program)	CHEM1904	130
Cello Ensemble 2	STRG1001	672	Chemistry 1B Life Sciences	CHEM1109	128
Cello Ensemble 3	STRG2000	675	Chemistry A (Pharmacy)	CHEM1611	129
Cello Ensemble 4	STRG2001	676	Chemistry and Biochemistry of Foods	AGCH3025	13
Cello Ensemble 5	STRG3000	683	Chemistry B (Pharmacy)	CHEM1612	129
Cello Ensemble 6	STRG3001	683	Chemistry Exchange	CHEM1551	128
Cello Ensemble 7	STRG4000	689	Chemistry Exchange	CHEM1552	129
Cello Ensemble 8	STRG4001	689	Chemistry Exchange	CHEM2553	131
Cells and Development: Practical (Adv)	HSTO3004	378	Chemistry Exchange	CHEM2554	131
Cells and Development: Theory	HSTO3003	378	Chemistry Exchange	CHEM2555	131
Cellular & Developmental Neurosci. (Adv)	NEUR3903	550	Chemistry Exchange	CHEM2556	131
Cellular and Developmental Neuroscience	NEUR3003	549	Chemistry Exchange	CHEM3551	133
Celtic Studies Honours A	CLST4011	163	Chemistry Exchange	CHEM3552	133
Celtic Studies Honours B	CLST4012	163	Chemistry Exchange	CHEM3553	133
Celtic Studies Honours C	CLST4013	164	Chemistry Exchange	CHEM3554	133
Celtic Studies Honours D	CLST4014	164	Chemistry Exchange	CHEM3555	133
Celts in History	CLST2605	163	Chemistry Exchange	CHEM3556	134
Ceramics (Handbuilding)	AWSS2010	73	Chemistry Honours A	CHEM4011	135
Ceramics (Wheel Throwing)	AWSS2011	73	Chemistry Honours B	CHEM4012	135
Ceramics C	MSTD2511	524	Chemistry Honours C	CHEM4013	136
Ceramics C (Major)	MSTD2211	520	Chemistry Honours D	CHEM4014	136
Ceramics C Studio Extension	CAEX2001	123	Chemistry of Biological Molecules	CHEM2403	130
Ceramics D	MSTD2512	524	Child and Adolescent Health	GDMP3108	329
Ceramics D (Major)	MSTD2212	521	Child and Adolescent Health	GDMP4011	329
Ceramics D Studio Extension	CAEX2009	124	Child Language	CSCD2057	179
Ceramics E	MSTD3511	530	Child Phonology	CSCD1033	177
Ceramics E (Major)	MSTD3111	527	Child Protection in Early Childhood	EDBT5554	225
Ceramics E Studio Extension	CAEX3001	125	Children, Music and Educational Settings	MUED2605	540
Ceramics Elective Advanced	MSTD8111	537	China and Globalisation	ASNS3619	65
Ceramics Elective Intermediate	MSTD7121	534	China and its World in the 19th Century	HSTY2606	380
Ceramics Elective Introductory	MSTD7111	534	Chinese 1A (For Beginners)	CHNS1101	144
Ceramics F	MSTD3512	530	Chinese 1B (For Beginners)	CHNS1102	144
Ceramics F (Major)	MSTD3112	527	Chinese 1C (For Advanced Beginners)	CHNS1201	144
Ceramics F Studio Extension	CAEX3009	126	Chinese 1D (For Advanced Beginners)	CHNS1202	145
Chamber Music 1	ENSE1005	292	Chinese 2A (Lower Intermediate)	CHNS2601	145
Chamber Music 2	ENSE1007	292	Chinese 2B (Lower Intermediate)	CHNS2602	145
Chamber Music 3	ENSE2002	294	Chinese 3A (Upper Intermediate)	CHNS3601	147
Chamber Music 4	ENSE2004	294	Chinese 3B (Upper Intermediate)	CHNS3602	147
Chamber Music 5	ENSE3004	295	Chinese 4A (Advanced)	CHNS3603	147
Chamber Music 6	ENSE3005	296	Chinese 4B (Advanced)	CHNS3604	147
Chamber Music 7	ENSE4006	297	Chinese Exchange	CHNS1801	145
Chamber Music 8	ENSE4007	297	Chinese Exchange	CHNS1802	145
Chemical & Biological Systems Behaviour	CHNG2804	137	Chinese Exchange	CHNS2810	146
Chemical Engineering Design A	CHNG4802	142	Chinese Exchange	CHNS2811	146
Chemical Engineering Design B	CHNG4806	142	Chinese Exchange	CHNS2812	147
Chemical Structure and Stability	CHEM2402	130	Chinese Exchange	CHNS2813	147
Chemical Structure and Stability (Adv)	CHEM2912	131	Chinese for Business Purposes (A)	CHNS3608	148
Chemical Structure and Stability (SSP)	CHEM2916	131	Chinese for Business Purposes (B)	CHNS3609	148
Chemical/Biological Process Design	CHNG3803	139	Chinese Honours A	CHNS4011	149
Chemistry	CHEM1405	128	Chinese Honours B	CHNS4012	149
Chemistry 1A	CHEM1101	127	Chinese Honours C	CHNS4013	149
Chemistry 1A (Advanced)	CHEM1901	129	Chinese Honours D	CHNS4014	149
Chemistry 1A (Special Studies Program)	CHEM1903	129	Chinese In-Country Study A	CHNS2650	146
Chemistry 1A Life Sciences	CHEM1108	128	Chinese In-Country Study B	CHNS2651	146
Chemistry 1B	CHEM1102	128	Chinese In-Country Study C	CHNS2652	146

Chinese In-Country Study D	CHNS2653	146	Clarinet 8	WIND4628	752
Chinese In-Country Study E	CHNS2654	146	Clarinet 8 (Advanced)	WIND4728	753
Chinese In-Country Study F	CHNS2655	146	Clarinet 8 (Major)	WIND4009	749
Chinese In-Country Study G	CHNS2656	146	Clarinet 8 (Minor)	WIND4037	751
Chinese In-Country Study H	CHNS2657	146	Classical Chinese A	CHNS2611	145
Chinese Laws and Chinese Legal Systems	LAWS3014	449	Classical Chinese B	CHNS2612	145
Chinese Laws and Chinese Legal Systems	LAWS3068	454	Classical Chinese Prose	CHNS3645	149
Chinese Religions in Modernity	ASNS2612	63	Classical Civilisation Exchange	CLCV1801	160
Choir 1	ENSE1015	292	Classical Civilisation Exchange	CLCV1802	160
Choir 2A	ENSE1002	291	Classical Civilisation Exchange	CLSS2804	162
Choir 3A	ENSE1019	292	Classical Civilisation Exchange	CLSS2805	162
Choir 4A	ENSE2003	294	Classical Hebrew & Judaism Curriculum 1	EDBT5610	227
Choir 5A	ENSE2008	295	Classical Hebrew & Judaism Curriculum 2	EDBT5660	230
Choir 6A	ENSE3016	296	Classical Hebrew & Judaism Curriculum 3	EDBT6610	234
Choir 7A	ENSE2012	295	Classical Studies	MCGY2006	481
Choir 8A	ENSE4020	297	Classics Honours A	CLSS4011	162
Choral Pedagogy	MUED3000	540	Classics Honours B	CLSS4012	162
Christianity as a Global Religion	RLST2606	636	Classics Honours C	CLSS4013	162
Chronic Pain: Disability and Rehab	REHB3066	635	Classics Honours D	CLSS4014	162
Chronicity and Palliation in Nursing	FCNU2003	311	Classics of Greek Literature	GRKA3606	352
Cinematic Modernism	ENGL3604	287	Client Groups II	OCCP3060	558
Circuit Theory and Design	ELEC3105	261	Clients, Practitioners and Organisations	BACH1031	77
Cities and Citizenship	GEOS3522	343	Climate and the Environment	AFNR1002	12
Cities and Citizenship (Advanced)	GEOS3922	345	Clinical - Hygiene and Therapy	ORHL2004	565
Cities of the World	ICLS2633	387	Clinical and Patient Education	ASSN3003	67
Citizens and Politics in China Today	ASNS3617	65	Clinical and Patient Education	NURS3003	551
Civil and Criminal Procedure	LAWS1014	442	Clinical and Patient Education	SNGP3003	662
Civil Engineering Design	CIVL4903	158	Clinical Education 2.1DR	MRTY2081	513
Civil Exchange A	CIVL0011	149	Clinical Education 2.1NM	MRTY2085	514
Civil Exchange B	CIVL0012	150	Clinical Education 2.1RT	MRTY2088	514
Civil Exchange C	CIVL0013	150	Clinical Education 2.2DR	MRTY2090	514
Civil Exchange D	CIVL0014	150	Clinical Education 2.2NM	MRTY2093	515
Civil Exchange E	CIVL0015	150	Clinical Education 2.2RT	MRTY2096	515
Civil Exchange F	CIVL0016	150	Clinical Education 2.3DR	MRTY2091	514
Civil Exchange G	CIVL0017	150	Clinical Education 2.3NM	MRTY2094	515
Civil Exchange H	CIVL0018	150	Clinical Education 2.3RT	MRTY2097	515
Clarinet 1	WIND1621	739	Clinical Education 3DR	MRTY3106	517
Clarinet 2	WIND1622	739	Clinical Education 3NM	MRTY3109	517
Clarinet 3	WIND2623	742	Clinical Education 3RT	MRTY3112	518
Clarinet 3 (Advanced)	WIND2723	743	Clinical Exercise Practice	EXSS3046	309
Clarinet 3 (Major)	WIND2004	740	Clinical Experience 1	CLNU3020	162
Clarinet 3 (Minor)	WIND2024	742	Clinical Experience 2	CLNU3021	162
Clarinet 4	WIND2624	742	Clinical Linguistics	CSCD1030	176
Clarinet 4 (Advanced)	WIND2724	744	Clinical Mentoring A	CSCD4042	185
Clarinet 4 (Major)	WIND2005	740	Clinical Mentoring B	CSCD4043	185
Clarinet 4 (Minor)	WIND2025	742	Clinical Mentoring H	CSCD4044	185
Clarinet 5	WIND3625	748	Clinical Nutritional Science A	NUTR4001	554
Clarinet 5 (Major)	WIND3004	745	Clinical Nutritional Science B	NUTR4002	554
Clarinet 5 (Minor)	WIND3026	747	Clinical Observation and Measurement	PHTY2047	600
Clarinet 6	WIND3626	748	Clinical Phonetics & Articulation	CSCD1031	176
Clarinet 6 (Major)	WIND3005	745	Clinical Practice	PHAR4621	585
Clarinet 6 (Minor)	WIND3027	747	Clinical Practice (Rural)	PHAR4651	585
Clarinet 7	WIND4627	752	Clinical Processes	CSCD2059	179
Clarinet 7 (Advanced)	WIND4727	753	Clinical Project	ORTH4026	568
Clarinet 7 (Major)	WIND4008	749	Clinical Skills 2B	PHCR2112	590
Clarinet 7 (Minor)	WIND4036	751	Coastal Environments & Processes	GEOS3009	340



Coastal Environments and Processes (Adv)	GEOS3909	344	Community Health 6	PHCR2104	589
Coastal Management	NTMP3005	551	Community Health Issues	EDUH4051	254
Cognition and Cognitive Impairment	BACH2128	79	Community Health Nursing	FCNU3002	311
Cognition, Language and Thought	PSYC3012	629	Community Practice	GDMP4013	329
Cognitive & Perceptual Components of OT	SING4056	658	Comparative Constitutionalism	JURS3003	426
Cognitive and Social Psychology	PSYC2013	627	Comparative Primate Anatomy	ANAT2009	32
Cognitive Neuropsychology	BACH2142	79	Comparative Sociology of Welfare States	SCLG2611	648
Cognitive Neuropsychology I	BACH2109	78	Competition Law	LAWS3016	449
Cognitive Neuropsychology II	BACH3055	80	Complex Mental Health Nursing	FCNU3001	311
Collaborative Virtual Environments	DECO2010	191	Components of Occ Performance IA	OCCP1091	555
Colonialism in Modern Asia	HSTY2681	383	Components of Occ Performance IB	OCCP1095	555
Colonising and Decolonising the Pacific	KCSE4203	431	Components of Occ Performance IIA	OCCP2080	557
Colours of Identity: Indigenous Bodies	KOCR2604	435	Components of Occ Performance IIB	OCCP2044	557
Columbus to Lincoln: America Before 1865	HSTY2634	381	Components of Occ Performance III	OCCP3066	558
Combustion	MECH4265	495	Composer Performer Workshop 1	CMPN3000	166
Commerce/Economics Curriculum 1	EDBT5605	226	Composer Performer Workshop 2	CMPN3001	167
Commerce/Economics Curriculum 2	EDBT5655	229	Composer Performer Workshop 3	CMPN4000	169
Commerce/Economics Curriculum 3	EDBT6605	233	Composer Performer Workshop 4	CMPN4001	169
Commercial Dispute Resolution (Seminar)	LAWS3006	448	Composition 1	CMPN1601	164
Commercial Law Exchange	CLAW1551	158	Composition 2	CMPN1602	164
Commercial Law Exchange	CLAW2551	159	Composition 3	CMPN2603	166
Commercial Law Exchange	CLAW2552	159	Composition 3 (Major)	CMPN2003	165
Commercial Law Exchange	CLAW2553	159	Composition 4	CMPN2604	166
Commercial Law Exchange	CLAW3101	159	Composition 4 (Major)	CMPN2004	165
Commercial Law Exchange	CLAW3102	159	Composition 5	CMPN3605	168
Commercial Law Extension	CLAW9001	160	Composition 5 (Honours)	CMPN3005	167
Commercial Law Extension	CLAW9002	160	Composition 5 (Honours)	CMPN3615	168
Commercial Law Extension	CLAW9003	160	Composition 5 (Major)	CMPN3004	167
Commercial Law Extension	CLAW9004	160	Composition 6	CMPN3606	168
Commercial Law Honours A	CLAW4101	160	Composition 6 (Honours)	CMPN3007	167
Commercial Law Honours B	CLAW4102	160	Composition 6 (Honours)	CMPN3616	168
Commercial Law Honours C	CLAW4103	160	Composition 6 (Major)	CMPN3006	167
Commercial Law Honours D	CLAW4104	160	Composition 7	CMPN4607	170
Commercial Transactions A	CLAW1001	158	Composition 7 (Honours)	CMPN4005	169
Communicating Culture in the Middle Ages	HSTY2664	381	Composition 7 (Honours)	CMPN4610	170
Communicating Effectively in Teams	SMTP1000	661	Composition 7 (Major)	CMPN4004	169
Communication and Critical Analysis 1A	ECOF1001	213	Composition 8	CMPN4608	170
Communication and Critical Analysis 1B	ECOF1002	213	Composition 8 (Honours)	CMPN4007	169
Communication and Lifelong Disability	CSCD3024	180	Composition 8 (Honours)	CMPN4611	170
Communication Fieldwork I	CSCD2053	178	Composition 8 (Major)	CMPN4006	169
Communication Fieldwork II	CSCD2054	179	Composition and Multimedia	CMPN4011	170
Communication Fieldwork III	CSCD3056	182	Composition in Music Education	MUED3603	541
Communication Fieldwork IV	CSCD3057	182	Composition Studies	MUED1001	540
Communication Studies	CSCD3059	182	Composition Through Improvisation 1	CMPN1000	164
Communications	ELEC3505	263	Composition Through Improvisation 2	CMPN1003	164
Communications Electronics and Photonics	ELEC3405	263	Composition Through Improvisation 3	CMPN2000	165
Community	GDMP3105	328	Composition Through Improvisation 4	CMPN2001	165
Community and Doctor 5	GDMP3014	328	Composition Workshop 1	MUSC2614	544
Community and Doctor 6	GDMP3024	328	Composition Workshop 2	MUSC3611	547
Community and Public Health Nutrition	NUTR3912	553	Compositional Techniques and Analysis 1	CMPN1611	164
Community Based Programs Development	SING4054	658	Compositional Techniques and Analysis 2	CMPN1612	165
Community Based Rehabilitation	OCCP4062	560	Compositional Techniques and Analysis 3	CMPN2011	166
Community Development 3	PHCR2108	589	Compositional Techniques and Analysis 4	CMPN2012	166
Community Health 4	PHCR2102	588	Compositional Techniques and Analysis 5	CMPN3012	168
Community Health 5A	PHCR2103	588	Compositional Techniques and Analysis 6	CMPN3013	168
Community Health 5B	PHCR2109	589	Computational Econometrics	ECMT3170	211

Computational Fluid Dynamics	AMME4210	30	Conservatorium Exchange	CONS3003	173
Computational Methods for Life Sciences	COMP3456	172	Conservatorium Exchange	CONS3004	173
Computational Science Exchange	COSC1551	174	Conservatorium Exchange	CONS3005	173
Computational Science Exchange	COSC3551	175	Conservatorium Exchange	CONS3006	173
Computational Science Exchange	COSC3552	175	Conservatorium Exchange	CONS3007	173
Computational Science Honours A	COSC4001	175	Conservatorium Exchange	CONS3008	173
Computational Science Honours B	COSC4002	175	Conservatorium Exchange	CONS3009	174
Computational Science Honours C	COSC4003	175	Conservatorium Exchange	CONS3010	174
Computational Science Honours D	COSC4004	175	Conservatorium Exchange	CONS3011	174
Computational Science in C	COSC1002	174	Conservatorium Exchange	CONS3012	174
Computational Science in C (Adv)	COSC1902	174	Conservatorium Exchange	CONS3013	174
Computational Science in Matlab	COSC1001	174	Consumer Behaviour	MKTG2112	508
Computational Science in Matlab (Adv)	COSC1901	174	Consumer Cultures	GCST3603	324
Computer Architecture	ELEC4605	265	Contact and Exchange in South Italy	ARCA2614	45
Computer Communication in MRT	SING4059	658	Contemporary Architecture and Theory	DAAP3001	189
Computer Games and Simulation	ARIN3640	55	Contemporary Art	THAP7101	706
Computer Science Exchange	COMP2555	171	Contemporary Cultural Issues	SCLG2609	648
Computer Science Exchange	COMP2556	171	Contemporary Field and Lab Soil Science	SOIL3009	663
Computer Science Exchange	COMP2557	171	Contemporary German Fiction	GRMN2635	355
Computer Science Exchange	COMP2558	171	Contemporary Indigenous Australian Art	ARHT2636	50
Computer Science Exchange	COMP3556	172	Contemporary International Art	ARHT2624	49
Computer Science Exchange	COMP3557	172	Contemporary Issues	AGEC4111	18
Computer Science Exchange	COMP3558	172	Contemporary Issues in Biomed Sciences	BIOS3054	109
Computer Science Exchange	COMP3559	172	Contemporary Issues in Health & Medicine	BACH3132	82
Computer Science Exchange	COMP4551	173	Contemporary Issues: Health Info A	HIMT4052	365
Computer Science Exchange	COMP4552	173	Contemporary Issues: Health Info B	HIMT4053	365
Computer Science Exchange	COMP4553	173	Contemporary Korean Society and Culture	KRNS2675	437
Computer Science Exchange	COMP4554	173	Contemporary Political Philosophy	PHIL2635	592
Computer Science Honours A	COMP4011	172	Contemporary Sociological Theory	SCLG3601	651
Computer Science Honours B	COMP4012	172	Contemporary Studies	MCGY3640	488
Computer Science Honours C	COMP4013	173	Contemporary Studies 2	MCGY3008	485
Computer Science Honours D	COMP4014	173	Contemporary Theory and Anthropology	ANTH3601	41
Computer Science Honours Result	INFO4999	393	Contesting Social Policies	SCPL2602	652
Computer Studies Curriculum 1	EDBT5606	226	Continuing Old English	ENGL3634	288
Computer Studies Curriculum 2	EDBT5656	229	Continuing Old Norse	ENGL3636	288
Computer Studies Curriculum 3	EDBT6606	234	Continuo 1	EMUS1671	271
Computer Vision and Image Processing	AMME4710	31	Continuo 2	EMUS1672	271
Computers in Real-Time Control and Inst	MECH4730	496	Continuo 3	EMUS2673	273
Concepts in Biology	BIOL1001	92	Continuo 4	EMUS2674	273
Concepts in Biology (Advanced)	BIOL1911	93	Contracts	LAWS1002	441
Concepts of Animal Management	AVBS1002	68	Contracts	LAWS1015	442
Concepts of Music	MUSC1501	543	Contracts	LAWS2008	445
Concepts of Neuroanatomy	ANAT2010	32	Contracts Formulation and Management	CIVL3813	154
Concrete Structures 1	CIVL3205	152	Control	ELEC3304	262
Concrete Structures 2	CIVL4240	155	Coral Reef Ecosystems	NTMP3001	551
Cond. Matter/High Energy/Astrophys (Adv)	PHYS3979	614	Core topics: History & Philosophy of Sci	HPSC4108	370
Cond. Matter/High Energy/Astrophysics	PHYS3079	610	Corporate and Securities Regulation(Sem)	LAWS3108	456
Conducting 1	PERF3000	577	Corporate Finance I	FINC2011	313
Conducting 2	PERF3001	577	Corporate Finance II	FINC2012	313
Conducting 3	PERF4000	578	Corporate Law	LAWS2003	444
Conducting 4	PERF4001	578	Corporations Law	CLAW2201	158
Conservation and Transport Processes	CHNG2801	136	Corporations Law	LAWS2014	446
Conservation Biology (Advanced)	ENVI2911	300	Cosmology and Power in South Asia	ANTH2664	40
Conservation Biology and Applied Ecology	ENVI2111	299	Counselling & Behaviour Management for CD	BACH2143	79
Conservatorium Exchange	CONS3001	173	Counselling Children and Adolescents	EDSP5001	245
Conservatorium Exchange	CONS3002	173	Counselling Practicum 2	EDSP4003	245

Counselling Practicum 3	EDSP5003	246	<b>D</b>		
Counselling Practicum 4	EDSP5004	246	Dairy Production and Technology	AVBS4002	69
Counselling Skills	BACH3143	82	Dante: Inferno	ITLN3671	404
Craft Knowledge and Prof Practices 1	EDSE2001	236	Data Communications and the Internet	ELEC3506	263
Craft Knowledge and Prof Practices 2	EDSE3072	241	Data Structures	INFO1105	391
Craft Knowledge and Prof Practices 3	EDSE4042	244	Data Structures (Advanced)	INFO1905	391
Cranial & Cervical Anatomy (Advanced)	ANAT3904	34	Database Systems 1	INFO2120	392
Cranial and Cervical Anatomy	ANAT3004	33	Database Systems 1 (Advanced)	INFO2820	392
Craniofacial Anomalies	CSCD3034	180	Database Systems 2	INFO3404	393
Creative Arts 1	EDUP1001	255	Database Systems 2 (Adv)	INFO3504	393
Creative Arts 2	EDUP3008	257	Database Theory and Applications	HIMT3057	363
Creative Arts in Early Childhood	EDBT5555	225	Debussy	MCGY3633	488
Creative Arts K-6	EDBT5530	223	Debussy 2	MCGY3033	487
Creative Music Skills	PERF1005	575	Defining the Celts	CLST2601	162
Crime, Punishment and Society	SCLG2634	650	Democratic Theory	PHIL2634	592
Criminal Law	LAWS1003	441	Dentist and Community 1	USDP1014	707
Criminal Law	LAWS1016	443	Dentist and Community 2	USDP1024	707
Criminal Law	LAWS2009	445	Dentist and Community 3	USDP2014	707
Criminology	LAWS3020	450	Dentist and Community 4	USDP2024	708
Critical Care	GDMP3104	328	Dentist and Community 5	USDP3004	708
Critical Practice in Media	MECO3609	499	Dentist and Community 6	USDP3008	709
Critical Theory: From Marx to Foucault	PHIL2644	593	Dentist and Community 7	USDP4004	709
Critical Thinking	PHIL2642	593	Dentist and Community 8	USDP4008	709
Crop and Pasture Agronomy	AGRO4003	19	Derivative Securities	FINC3012	313
Cross-Cultural and Hybrid Performance	PRFM3605	625	DEs and Vector Calculus for Engineers	MATH2067	467
Cross-Cultural Communication	LNGS2617	458	Descartes and Continental Philosophy	PHIL2629	592
Cross-Cultural Management	IBUS2102	385	Design Architecture General Elective A	DESA3551	205
CT for Nuclear Medicine Technologists	MRTY3116	518	Design Architecture General Elective B	DESA3552	206
Cultural and Social Change in Spain	SPAN2631	665	Design Architecture General Elective C	DESA3553	206
Cultural Difference: An Introduction	ANTH1001	39	Design Architecture General Elective D	DESA3554	206
Cultural Studies Exchange	GCST2812	323	Design Architecture Independent Study A	DESA3441	205
Cultural Studies Exchange	GCST2813	323	Design Architecture Independent Study B	DESA3442	205
Cultural Studies Exchange	GCST2814	323	Design Architecture Independent Study C	DESA3443	205
Cultural Studies Exchange	GCST2815	323	Design Architecture Independent Study D	DESA3444	205
Cultural Studies Exchange	GCST2816	324	Design Comp Exchange AES Elective 2A	DECO2666	195
Cultural Studies Exchange	GCST2817	324	Design Comp Exchange AES Elective 2B	DECO2667	195
Cultural Studies Exchange	GCST2818	324	Design Comp Exchange Elective 2A	DECO2668	195
Cultural Studies Exchange	GCST2819	324	Design Comp Exchange Elective 2B	DECO2669	195
Cultural Studies Honours Seminar A	GCST4111	325	Design Comp Exchange Tech Elective 2A	DECO2664	194
Cultural Studies Honours Seminar B	GCST4112	325	Design Comp Exchange Tech Elective 2B	DECO2665	194
Cultural Studies Honours Thesis A	GCST4113	325	Design Computing Exchange Elective 3A	DECO3662	199
Cultural Studies Honours Thesis B	GCST4114	325	Design Computing Exchange Elective 3B	DECO3663	199
Cultural Studies Honours Thesis C	GCST4115	325	Design Computing Exchange Elective 3C	DECO3664	199
Cultural Studies Honours Thesis D	GCST4116	325	Design Computing General Elective A	DECO3551	198
Cultural Theory	GCST3604	324	Design Computing General Elective B	DECO3552	198
Culture and Development	ANTH2625	40	Design Computing General Elective C	DECO3553	198
Cultures of Masculinities	GCST2609	322	Design Computing General Elective D	DECO3554	199
Current Issues in Health, Law & Medicine	AHCD4014	24	Design Computing Honours Research A	DECO4001	200
Current Issues in Healthcare	BIOS3066	109	Design Computing Honours Research B	DECO4002	200
Current Issues in Management Accounting	ACCT3032	5	Design Computing Honours Research C	DECO4003	200
Current Issues in Nursing	ASSN3006	67	Design Computing Honours Research D	DECO4004	200
Current Issues in Nursing	NURS3006	552	Design Computing Independent Study A	DECO3441	197
Curriculum and Evaluation	EDUF3032	249	Design Computing Independent Study B	DECO3442	198
Cyberpsychology and e-Health	BACH3146	82	Design Computing Independent Study C	DECO3443	198
Cyberworlds	ARIN2620	53	Design Computing Independent Study D	DECO3444	198
			Design Computing Prep Hons Research	DECO3008	197

Design Computing Research Opportunity	DECO3003	196	Digital Imaging	MRTY3100	516
Design Practice 1A	DESA1001	200	Digital Signal Processing	ELEC3305	262
Design Practice 1B	DESA1002	201	Digital System Design	ELEC2602	261
Design Practice 2A	DESA2001	202	Digital Video	AWSS2013	73
Design Practice 2B	DESA2002	203	Digital Visualisation Advanced	MSTD8191	538
Design Practice 3A	DESA3001	204	Digital Visualisation Intermediate	MSTD7921	537
Design Practice 3B	DESA3002	204	Digital Visualisation Introductory	MSTD7911	536
Design Programming	DECO1012	190	Directed Readings	CSCD3061	182
Design Programming	DECO2011	191	Directed Readings II	CSCD3068	183
Design Studies 1A	DESA1101	202	Disability and Vision Impairment	ORTH2060	566
Design Studies 1B	DESA1102	202	Disability, Work and Quality of Life	REHB3063	634
Design Studies 2	DESA2111	203	Discourse Analysis	LNGS2604	458
Design Technology 2	ARCH5202	47	Discrete Mathematics	MATH1004	464
Designing Health Research	BACH1143	77	Discrete Mathematics & Graph Theory Adv	MATH2969	470
Designing with Colour 1	DAAE2005	187	Discrete Mathematics and Graph Theory	MATH2069	467
Designing with Colour 2	DAAE2006	188	Disease in Ageing	BIOS1173	108
Designing with Surfaces and Light	DESA1004	201	Disease in Society	BMED2808	112
Determinants of Health	EDUH2005	252	Dispensing	PHAR3602	582
Developing a Research Project	BACH4047	83	Dispute Resolution	LAWS3022	450
Development and Welfare in East Asia	SCPL2603	652	Dissertation and Research Methods A	ARCH4003	46
Development Economics	ECOS3002	220	Dissertation and Research Methods B	ARCH4004	46
Developmental Genetics	BIOL3026	98	Dissertation and Research Methods C	ARCH4005	46
Developmental Genetics (Advanced)	BIOL3926	100	Dissertation and Research Methods D	ARCH4006	46
Developmental Psychology	PSYC3016	629	Distribution of Income and Wealth	ECOP3620	217
Diagnostic Imaging for Rad Therapists	MRTY3117	519	Diversity & Inclusion in Early Childhood	EDBT5559	226
Diction for Performance 1	VSAO3645	735	Double Bass 1	STRG1601	673
Diction for Performance 2	VSAO3646	735	Double Bass 2	STRG1602	673
Diction for Performance 3	VSAO4647	736	Double Bass 3	STRG2603	677
Diction for Performance 4	VSAO4648	736	Double Bass 3 (Advanced)	STRG2703	680
Differential and Difference Equations	MATH1013	465	Double Bass 4	STRG2604	678
Differential Calculus	MATH1001	464	Double Bass 4 (Advanced)	STRG2704	681
Differential Calculus (Advanced)	MATH1901	465	Double Bass 4 (Major)	STRG2003	676
Differential Equations & Biomaths	MATH3063	470	Double Bass 5	STRG3605	686
Differential Equations & Biomaths (Adv)	MATH3963	474	Double Bass 5 (Major)	STRG3002	683
Differential Geometry (Advanced)	MATH3968	474	Double Bass 6	STRG3606	686
Digestion, Absorption and Metabolism	BMED2804	111	Double Bass 6 (Major)	STRG3003	683
Digital Arts	ARIN2630	53	Double Bass 7	STRG4607	691
Digital Communication Systems	ELEC4505	265	Double Bass 7 (Advanced)	STRG4707	694
Digital Cultures Exchange	ARIN2801	54	Double Bass 7 (Major)	STRG4002	689
Digital Cultures Exchange	ARIN2802	54	Double Bass 8	STRG4608	691
Digital Cultures Exchange	ARIN2803	54	Double Bass 8 (Advanced)	STRG4708	694
Digital Cultures Exchange	ARIN2804	54	Double Bass 8 (Major)	STRG4004	689
Digital Cultures Exchange	ARIN2805	54	Drama Curriculum 1	EDBT5604	226
Digital Cultures Exchange	ARIN2806	54	Drama Curriculum 2	EDBT5654	229
Digital Cultures Exchange	ARIN2807	54	Drama Curriculum 3	EDBT6604	233
Digital Cultures Exchange	ARIN2808	54	Drawing A	MDRW1013	490
Digital Cultures Honours A	ARIN4011	55	Drawing B	MDRW1014	490
Digital Cultures Honours B	ARIN4012	56	Drug Design and Development	PCOL3012	573
Digital Cultures Honours C	ARIN4013	56	Drug Design and Development (Adv)	PCOL3912	574
Digital Cultures Honours D	ARIN4014	56	Drug Development & New Drug Technologies	PHAR4619	584
Digital Cultures Internship	ARIN3670	55	Drug Discovery and Design A	PHAR2811	581
Digital Cultures Internship Project	ARIN3680	55	Drug Discovery and Design B	PHAR2821	581
Digital Cultures Project 1	ARIN3650	55	Drug Therapy	PCOL3021	573
Digital Cultures Project 2	ARIN3660	55	Drug Therapy (Advanced)	PCOL3921	574
Digital Design Studio	DECO1100	191	Dualism: Zoroaster, Gnosis & Manichaeism	RLST2612	637
Digital Image Design & Representation	DECO2101	192	Dynamics 1	AMME1550	26

<b>E</b>				
Early Childhood Prof Experience 1	EDBT5557	225	Economics Exchange	ECOS3554 222
Early Keyboard Class 1	EMUS1661	270	Economics Extension	ECON9001 215
Early Keyboard Class 2	EMUS1662	270	Economics Extension	ECON9002 215
Early Keyboard Class 3	EMUS2663	273	Economics Extension	ECON9003 215
Early Keyboard Class 4	EMUS2664	273	Economics Extension	ECON9004 215
Early Modern Europe 1500-1750	HSTY1034	379	Economics Honours A	ECON4101 214
Early Music Performance 1	EMUS1611	269	Economics Honours B	ECON4102 214
Early Music Performance 2	EMUS1612	269	Economics Honours C	ECON4103 214
Early Music Performance 3	EMUS2613	271	Economics Honours D	ECON4104 214
Early Music Performance 3 (Advanced)	EMUS2713	274	Economics of Competition and Strategy	ECOS2201 219
Early Music Performance 4	EMUS2614	272	Economics of Mineral & Energy Industries	RSEC4133 639
Early Music Performance 4 (Advanced)	EMUS2714	274	Economics of Modern Capitalism	ECOP2011 215
Early Music Performance 5	EMUS3615	276	Economics of Water & Bio-resources	RSEC4134 640
Early Music Performance 6	EMUS3616	276	Economics/Commerce Exchange	ECOF2101 213
Early Music Performance 7	EMUS4617	277	Economics/Commerce Exchange	ECOF2102 213
Early Music Performance 7 (Advanced)	EMUS4717	279	Economics/Commerce Exchange	ECOF2551 213
Early Music Performance 8	EMUS4618	278	Economics/Commerce Exchange	ECOF2552 213
Early Music Performance 8 (Advanced)	EMUS4718	279	Economics/Commerce Exchange	ECOF3101 213
Earth, Environment and Society	GEOS1001	336	Economics/Commerce Exchange	ECOF3102 213
Earth, Environment and Society Advanced	GEOS1901	337	Economics/Commerce Exchange	ECOF3551 214
Earth's Structure and Evolution	GEOS3101	342	Economics/Commerce Exchange	ECOF3552 214
Earth's Structure and Evolutions (Adv)	GEOS3801	343	Economics/Commerce Extension	ECOF9001 214
E-Business Analysis and Design	ELEC3610	264	Economics/Commerce Extension	ECOF9002 214
Ecological Methods	BIOL3006	95	Economics/Commerce Extension	ECOF9003 214
Ecological Methods (Advanced)	BIOL3906	99	Economy and Society	ECOP1004 215
Ecology	BIOL3007	96	Ecophysiology	BIOL3011 96
Ecology (Advanced)	BIOL3907	99	Ecophysiology (Advanced)	BIOL3911 100
e-Commerce Business Models	INFS2030	394	Education 1: Introduction to Teaching	GENS1000 330
Econometric Models and Methods	ECMT3110	210	Education 2: Educational Psychology	GENS1001 331
Econometrics Exchange	ECMT1551	209	Education 3: Developmental Psychology	GENS2000 331
Econometrics Exchange	ECMT2901	210	Education 4: Studies in Teaching	GENS2001 331
Econometrics Exchange	ECMT2902	210	Education 5: Philosophy and History	GENS3000 332
Econometrics Exchange	ECMT2903	210	Education 6: Curriculum- Theory & Design	GENS3001 332
Econometrics Exchange	ECMT3901	211	Education 7: Individual Differences	GENS4001 332
Econometrics Exchange	ECMT3902	211	Education Exchange	EDUF2553 247
Econometrics Exchange	ECMT3903	211	Education Exchange	EDUF3553 249
Econometrics Extension	ECMT9001	212	Education Exchange	EDUF3554 249
Econometrics Extension	ECMT9002	212	Education Exchange	EDUF4553 251
Econometrics Extension	ECMT9003	212	Education Exchange	EDUF5556 251
Econometrics Extension	ECMT9004	213	Education Honours 1	EDUF4215 250
Econometrics Honours A	ECMT4101	212	Education Honours 2	EDUF4216 250
Econometrics Honours B	ECMT4102	212	Education Theories	KCDE2103 429
Econometrics Honours C	ECMT4103	212	Education, Teachers and Teaching	EDUF1018 246
Econometrics Honours D	ECMT4104	212	Educational Psychology	EDUF2006 247
Economic Environment of Agriculture	AGEC1006	15	Educational Workplace Practices	EDBT5504 223
Economic Geography of Global Dev. Adv.	GEOS2912	339	Elective	GDMP3109 329
Economic Geography of Global Development	GEOS2112	338	Elective	GDMP4015 329
Economic Policy in Global Context	ECOP2612	216	Elective Jazz Orchestra 1	JAZZ1002 407
Economics as a Social Science	ECOP1001	215	Elective Jazz Orchestra 2	JAZZ1003 407
Economics Exchange	ECOS1551	218	Elective Jazz Orchestra 3	JAZZ2004 411
Economics Exchange	ECOS2551	219	Elective Jazz Orchestra 4	JAZZ2005 411
Economics Exchange	ECOS2552	219	Elective Jazz Orchestra 5	JAZZ3004 416
Economics Exchange	ECOS3551	222	Elective Jazz Orchestra 6	JAZZ3005 416
Economics Exchange	ECOS3552	222	Elective Jazz Orchestra 7	JAZZ4004 419
Economics Exchange	ECOS3553	222	Elective Jazz Orchestra 8	JAZZ4005 419
			Elective Performance Study 1	ACCP3601 1

Elective Performance Study 2	ACCP3602	1	Engineering Studies A	ENGG2008	282
Elective Rotation 1	VETS5350	723	Engineering Studies B	ENGG2004	282
Elective Rotation 2	VETS5351	723	Engineering Studies C	ENGG2005	282
Elective Studies	PHTY4109	604	English 1 K-6	EDBT5531	223
Electrical Energy Conversion Systems	ELEC3206	262	English 2 K-6	EDBT6531	232
Electrical Engineering: Foundations	ELEC2004	260	English Curriculum 1	EDBT5607	227
Electrical Exchange Unit 1A	ELEC3901	264	English Curriculum 2	EDBT5657	229
Electrical Exchange Unit 1B	ELEC3902	265	English Curriculum 3	EDBT6607	234
Electrical Exchange Unit 1C	ELEC3903	265	English Exchange	ENGL1801	284
Electrical Exchange Unit 2A	ELEC3904	265	English Exchange	ENGL1802	285
Electrical Exchange Unit 2B	ELEC3905	265	English Exchange	ENGL2811	286
Electrical Exchange Unit 2C	ELEC3906	265	English Exchange	ENGL2812	286
Electricity Networks	ELEC3203	262	English Exchange	ENGL2813	286
Electroacoustic Music 1	CMPN1631	165	English Exchange	ENGL2814	287
Electroacoustic Music 2	CMPN1632	165	English Exchange	ENGL2815	287
Electromagnetism & Physics Lab	PHYS3040	608	English Exchange	ENGL2816	287
Electromagnetism & Physics Lab (Adv)	PHYS3940	612	English Exchange	ENGL2817	287
Electromagnetism & Special Project (Adv)	PHYS3941	612	English Exchange	ENGL2818	287
Electron Microscopy and Imaging/Prac	EMHU3002	268	English Honours A	ENGL4101	290
Electron Microscopy and Imaging/Theory	EMHU3001	268	English Honours B	ENGL4102	291
Electron Microscopy Exchange	EMHU3551	268	English Honours C	ENGL4103	291
Electron Microscopy Exchange	EMHU3552	268	English Honours D	ENGL4104	291
Electronic & New Media Art Elective Intr	CAEL2022	122	English Language and Literary Theory B	ENGL3612	288
Electronic Circuit Design	ELEC3404	263	English Studies: Research Methods	ENGL3964	289
Electronic Devices and Circuits	ELEC2104	261	English: Becoming Literate	EDUP3006	256
Electronic Music 1	CMPN1007	164	English: Being Critically Literate	EDUP4076	259
Electronic Music 2	CMPN1008	164	English: Learning to be Literate	EDUP2002	255
Embedded Computing	ELEC3607	263	English: The Text and the Critic	ENGL3962	289
Embodied Histories	PRFM3604	624	Ensemble Pedagogy	MUED3604	541
Embryology & Genetics	BIOS3061	109	Enterprise Systems	INFS3040	395
Empirical Sociological Methods	SCLG3602	651	Entomology	BIOL2017	94
Employment and Industrial Law	LAWS3023	450	Entomology (Advanced)	BIOL2917	95
Energy and Fluid Systems Practice	CHNG2803	137	Entomology and Parasitology	ENTO2002	299
Energy and the Environment	ENVI3114	300	Environmental & Fluids Eng: Viscous Flow	CIVL3612	153
Energy and the Environment	MECH4241	494	Environmental & Resource Management Adv	GEOS2921	340
Engaged Buddhism: Politics and Justice	RLST2637	638	Environmental & Sedimentary Geology	GEOS3103	342
Engineering & Industrial Management Fund	ENGG3005	283	Environmental & Sedimentary Geology(Adv)	GEOS3803	344
Engineering and Society	CIVL3010	152	Environmental and Resource Management	GEOS2121	338
Engineering Computing	ENGG1801	281	Environmental Assessment	ENVI3112	300
Engineering Construction and Surveying	CIVL2810	152	Environmental Economics	RSEC4132	639
Engineering Design and Construction	CIVL4811	157	Environmental Geomorphology	GEOS3015	341
Engineering Disciplines (Intro) Stream A	ENGG1800	281	Environmental Geomorphology (Advanced)	GEOS3915	345
Engineering Dynamics	AMME2500	27	Environmental Geotechnics	CIVL4413	156
Engineering Electromagnetics	ELEC3104	261	Environmental GIS	ENVX3001	301
Engineering Geology 1	GEOL1501	335	Environmental Law	LAWS3024	450
Engineering Management	MECH3661	494	Environmental Law and Ethics	ENVI3111	300
Engineering Mechanics	ENGG1802	281	Environmental Politics	GOVT2228	347
Engineering Project A	AMME4121	29	Environmental Science Exchange	ENVI2552	300
Engineering Project A	CHNG4813	143	Environmental Science Exchange	ENVI2553	300
Engineering Project A	CIVL4024	155	Environmental Science Exchange	ENVI3551	300
Engineering Project A	ELEC4710	266	Environmental Science Exchange	ENVI3552	301
Engineering Project B	AMME4122	29	Environmental Studies Honours A	ENVI4011	301
Engineering Project B	CHNG4814	143	Environmental Studies Honours B	ENVI4012	301
Engineering Project B	CIVL4025	155	Environmental Studies Honours C	ENVI4013	301
Engineering Project B	ELEC4711	266	Environmental Studies Honours D	ENVI4014	301
Engineering Project: Business Plan 2 Adv	ENGG2062	283	Environmental Toxicology	BIOS3068	109

Environmental Water Quality	LWSC3005	461	External Study 1B	AGEX0011	19
Environmetrics 3	BIOM3005	102	External Study 1C	AGEX0021	19
Environmetrics 4	ENVX4002	302	External Study 1D	AGEX0031	19
Epidemiological Research	BACH4017	83	External Study 2	AGEX0002	19
Equine Anatomy	VETS2012	714			
Equity	LAWS2004	444	<b>F</b>		
Equity	LAWS2015	446	Family Health Nursing	FCNU2002	311
Ergonomics	EXSS3038	307	Family Law	LAWS3026	450
Essentials of Classification B	HIMT4050	364	Fantastical Women	ENGL3606	287
Essentials of Classifications A	HIMT3060	364	Fascism and Antifascism	HSTY2626	380
Essentials of Pharmacology	PCOL2555	572	Federal Constitutional Law	LAWS1004	441
Ethical International Business Decisions	IBUS3104	386	Federal Constitutional Law	LAWS2011	445
Ethics, Law and Professional Practice	MRTY3101	516	Federal Constitutional Law	LAWS3000	447
European & Middle Eastern Myth & Legend	EUST2611	302	Federal Constitutional Law	LAWS3003	447
European Studies Exchange	EUST2805	302	Feed Technology	AVBS4005	70
European Studies Exchange	EUST2806	302	Fiction, Film and Power	ENGL1025	284
European Studies Exchange	EUST2807	302	Field Education 1	SCWK3005	656
European Studies Exchange	EUST2808	302	Field Education 1 Honours	SCWK3010	656
European Studies Honours A	EUST4011	303	Field Education 2A	SCWK4005	657
European Studies Honours B	EUST4012	303	Field Education 2B	SCWK4006	657
European Studies Honours C	EUST4013	303	Field Education 2B Honours	SCWK4007	657
European Studies Honours D	EUST4014	303	Field Geology and Geophysics	GEOS3008	340
Evaluation and Assessment in Schools	KCSE3101	429	Field Geology and Geophysics (Advanced)	GEOS3908	344
Evaluation of OT Programs	OCCP4063	560	Fieldwork Practicum	BHSC3013	91
Evidence	LAWS2016	446	Fieldwork, Ethnography and Transcription	MUSC2631	545
Evidence Based Health Care Research	BACH4071	84	Film & Digital Art Elective Advanced	MSTD8181	538
Evidence Based Physiotherapy	PHTY2045	599	Film & Digital Art Elective Intermediate	MSTD7821	536
Evidence Based Practice	SING4083	660	Film & Digital Art Elective Introductory	MSTD7811	536
Evolutionary Gen. & Animal Behaviour Adv	BIOL3925	100	Film and Digital Art C	MSTD2581	526
Evolutionary Genetics & Animal Behaviour	BIOL3025	97	Film and Digital Art C (Major)	MSTD2281	523
Exchange Collaborative Virtual Environs	DECO2660	194	Film and Digital Art C Studio Extension	CAEX2008	124
Exchange Design Computing Studio 2	DECO2670	196	Film and Digital Art D	MSTD2582	527
Exchange Design Computing Studio 3	DECO3660	199	Film and Digital Art D (Major)	MSTD2282	524
Exchange Program 3A	CHNG3041	138	Film and Digital Art D Studio Extension	CAEX2016	125
Exchange Program 3B	CHNG3042	138	Film and Digital Art E	MSTD3581	533
Exchange Program 4A	CHNG4041	141	Film and Digital Art E (Major)	MSTD3181	530
Exchange Program 4B	CHNG4042	142	Film and Digital Art E Studio Extension	CAEX3008	126
Exercise and Rehabilitation	EXSS3027	307	Film and Digital Art F	MSTD3582	533
Exercise and Sport Exchange	EXSS3801	309	Film and Digital Art F (Major)	MSTD3182	530
Exercise and Sport Exchange	EXSS3802	309	Film and Digital Art F Studio Extension	CAEX3016	127
Exercise and Sport Exchange	EXSS3803	309	Film Music	MUSC2662	545
Exercise and Sport Exchange	EXSS3804	309	Film Studies Exchange	FILM2810	312
Exercise Pharmacology & Immunology	EXSS3037	307	Film Studies Exchange	FILM2811	312
Exercise Physiology	EDUH3027	253	Film Studies Exchange	FILM2812	312
Exercise Physiology - Acute Responses	EXSS2019	305	Film Studies Exchange	FILM2813	312
Exercise Physiology and Biochemistry	EXSS2028	306	Film Studies Exchange	FILM2814	312
Exercise Physiology for Clinicians	EXSS2027	306	Film Studies Exchange	FILM2815	312
Exercise Physiology Training Adaptations	EXSS2022	305	Film Studies Honours A	FILM4101	312
Exercise Testing and Prescription	EXSS3023	307	Film Studies Honours B	FILM4102	312
Exercise, Health and Disease	EXSS3024	307	Film Studies Honours C	FILM4103	312
Experimental and Behavioural Economics	ECOS3016	221	Film Studies Honours D	FILM4104	312
Experimental Robotics	MTRX4700	539	Filming Fiction: The Italian Experience	ITLN3679	404
Exploring Nonclassical Logic	PHIL2610	591	Finance 2 Honours	FINC2192	313
Extensive Animal Industries	AVBS4012	71	Finance 3 Honours (Corporate Finance)	FINC3193	314
External Placement Program (EPP)	LAWS3025	450	Finance 3 Honours (Securities Markets)	FINC3194	314
External Study 1A	AGEX0001	19	Finance Exchange	FINC2551	313

Finance Exchange	FINC2552	313	Food Safety Assessment and Management	AVBS4004	70
Finance Exchange	FINC3551	315	Food Science Introductory (Advanced)	NUTR2911	552
Finance Exchange	FINC3552	315	Forecasting for Economics and Business	ECMT3130	210
Finance Exchange	FINC3553	315	Forensic and Environmental Chemistry	CHEM2404	130
Finance Exchange	FINC3554	315	Forensic Osteology	ANAT3006	33
Finance Extension	FINC9001	315	Formulating and Dispensing	PHAR2823	582
Finance Extension	FINC9002	315	Fossils and Tectonics	GEOS2124	339
Finance Extension	FINC9003	315	Fossils and Tectonics (Advanced)	GEOS2924	340
Finance Extension	FINC9004	315	Foundation Engineering	CIVL3411	153
Finance Honours A	FINC4101	315	Foundation Studio A	MSTD1111	520
Finance Honours B	FINC4102	315	Foundation Studio B	MSTD1112	520
Finance Honours C	FINC4103	315	Foundation Studio Concepts A	MSTD1121	520
Finance Honours D	FINC4104	315	Foundation Studio Concepts B	MSTD1123	520
Finance: Volatility and Regulation	ECOP3019	217	Foundations for Ancient Greece	ANHS1600	35
Financial Accounting A	ACCT2011	4	Foundations for Ancient Rome	ANHS1601	35
Financial Accounting B	ACCT3011	4	Foundations of Computer Systems	ELEC1601	260
Financial Accounting Concepts	ACCT1003	3	Foundations of Health Psychology	BACH1132	77
Financial Econometrics	ECMT2130	209	Foundations of Health Science	HSBH1006	372
Financial Management in Health Services	HIMT4051	365	Foundations of Information Technology	INFO1003	391
Financial Mathematics	MATH3075	471	Foundations of Law	LAWS1006	442
Financial Mathematics (Advanced)	MATH3975	474	Foundations of Management	WORK2201	754
Financial Statement Analysis	ACCT3013	5	Foundations of Oral Health 1	ORHL1001	565
Financial Valuation: Case Study Approach	FINC3015	314	Foundations of Oral Health 2	ORHL1003	565
Finite Element Analysis	CIVL4414	156	Foundations of Oral Health 3	ORHL2001	565
Fitness Training: Theory and Practice	EDUH4055	254	Foundations of Oral Health 4	ORHL3001	565
Flight Mechanics 1	AERO3560	9	Foundations of Oral Health 5	ORHL3004	566
Flight Mechanics 2	AERO4560	11	Foundations of Pharmacy	PHAR1811	579
Flow-Induced Vibrations	CIVL4614	156	Foundations of Total Patient Care 1	USDP1012	707
Fluid Dynamics (Advanced)	MATH3974	474	Foundations of Total Patient Care 2	USDP1022	707
Fluid Mechanics	MECH3261	493	Foundations of Total Patient Care 3	USDP2012	707
Fluid Mechanics: Inviscid Flow	CIVL2611	152	Foundations of Total Patient Care 4	USDP2022	708
Flute 1	WIND1631	739	Foundations of Work and Employment	WORK1003	754
Flute 2	WIND1632	739	Francophone Studies 2	FRNC3672	320
Flute 3	WIND2633	742	French Exchange	FRNC1801	317
Flute 3 (Advanced)	WIND2733	744	French Exchange	FRNC1802	317
Flute 3 (Major)	WIND2006	740	French Exchange	FRNC2803	318
Flute 4	WIND2634	743	French Exchange	FRNC2804	318
Flute 4 (Advanced)	WIND2734	744	French Exchange	FRNC2805	319
Flute 4 (Major)	WIND2007	740	French Exchange	FRNC2806	319
Flute 5	WIND3635	748	French Exchange	FRNC2807	319
Flute 5 (Major)	WIND3006	745	French Exchange	FRNC2808	319
Flute 5 (Minor)	WIND3028	747	French Honours A	FRNC4011	320
Flute 6	WIND3636	748	French Honours B	FRNC4012	320
Flute 6 (Major)	WIND3007	745	French Honours C	FRNC4013	320
Flute 6 (Minor)	WIND3029	747	French Honours D	FRNC4014	320
Flute 7	WIND4637	752	French Horn 1	BRSS1601	112
Flute 7 (Advanced)	WIND4737	753	French Horn 2	BRSS1602	113
Flute 7 (Major)	WIND4012	750	French Horn 3	BRSS2603	114
Flute 7 (Minor)	WIND4038	751	French Horn 3 (Advanced)	BRSS2703	115
Flute 8	WIND4638	752	French Horn 4	BRSS2604	114
Flute 8 (Advanced)	WIND4738	753	French Horn 4 (Advanced)	BRSS2704	115
Flute 8 (Major)	WIND4014	750	French Horn 5	BRSS3605	116
Flute 8 (Minor)	WIND4039	751	French Horn 6	BRSS3606	116
Fluvial and Groundwater Geomorphology	GEOG2321	333	French Horn 7	BRSS4607	118
Focus on Writing in Italian	ITLN3687	404	French Horn 7 (Advanced)	BRSS4707	119
Food Biotechnology	AGCH3026	14	French Horn 7 (Major)	BRSS4004	117



French Horn 8	BRSS4608	118	Genres in Cultural Context	GCST2606	322
French Horn 8 (Advanced)	BRSS4708	119	Geography Curriculum 1	EDBT5608	227
French Horn 8 (Major)	BRSS4006	117	Geography Curriculum 2	EDBT5658	230
French In-Country Study	FRNC3801	320	Geography Curriculum 3	EDBT6608	234
French Narrative Cinema	FRNC2681	318	Geography Exchange	GEOG1551	333
French Reading 1: Text and Society	FRNC2614	317	Geography Exchange	GEOG1552	333
French Sociolinguistics	FRNC3655	319	Geography Exchange	GEOG2556	333
French Translation	FRNC3653	319	Geography Exchange	GEOG2557	333
From Emancipation to the Holocaust	JCTC2605	421	Geography Exchange	GEOG2558	333
From Expulsion to Regeneration	JCTC2604	421	Geography Exchange	GEOG2559	333
From Silent to Sound Cinema	ARHT2652	50	Geography Exchange	GEOG3551	334
Functional Anatomy A	BIOS1136	104	Geography Exchange	GEOG3552	334
Functional Anatomy A - Exercise Science	BIOS1159	106	Geography Exchange	GEOG3553	334
Functional Anatomy B	BIOS1139	104	Geography Exchange	GEOG3554	334
Functional Anatomy B - Exercise Science	BIOS1160	106	Geography Exchange	GEOG3555	334
Functional Anatomy B (Physiotherapy)	BIOS1144	105	Geography Honours A	GEOG4011	334
Functional Musculoskeletal Anatomy A	BIOS1168	107	Geography Honours B	GEOG4012	334
Functional Musculoskeletal Anatomy B	BIOS1169	107	Geography Honours C	GEOG4013	334
Fundamentals of Biomedical Engineering	ELEC3802	264	Geography Honours D	GEOG4014	334
Fundamentals of Chemistry 1A	CHEM1001	127	Geology Exchange	GEOL1551	335
Fundamentals of Chemistry 1B	CHEM1002	127	Geology Exchange	GEOL1552	335
Fundamentals of Elec and Electronic Eng	ELEC1103	260	Geology Exchange	GEOL2554	335
Fundamentals of Exercise Science	EXSS1032	304	Geology Exchange	GEOL2555	335
Fundamentals of Music I	MUSC1503	543	Geology Exchange	GEOL2556	335
Fundamentals of Music II	MUSC1504	543	Geology Exchange	GEOL2557	335
Fundamentals of Rehabilitation	REHB2026	633	Geology Exchange	GEOL3551	335
Fungi in the Environment	BIOL3017	97	Geology Exchange	GEOL3552	335
Fungi in the Environment (Advanced)	BIOL3917	100	Geology Exchange	GEOL3553	336
			Geology Exchange	GEOL3554	336
			Geology Honours A	GEOL4011	336
			Geology Honours B	GEOL4012	336
			Geology Honours C	GEOL4013	336
			Geology Honours D	GEOL4014	336
			Geometry and Topology	MATH3061	470
			Geophysical Methods	GEOS3104	342
			Geophysical Methods (Advanced)	GEOS3804	344
			Geophysics Honours A	GEOP4011	336
			Geophysics Honours B	GEOP4012	336
			Geophysics Honours C	GEOP4013	336
			Geophysics Honours D	GEOP4014	336
			Geopolitics	GOVT1105	346
			Geoscience Exchange	GEOS3551	343
			Geoscience Exchange	GEOS3552	343
			Geoscience Exchange	GEOS3553	343
			Geoscience Exchange	GEOS3554	343
			Geotechnical Engineering	CIVL4412	156
			German Culture and Society 1806-1848	GRMN2641	355
			German Culture and Society 1849-1914	GRMN2642	355
			German Diction for Singers 1	VSAO1009	725
			German Diction for Singers 2	VSAO2029	728
			German Honours A	GRMN4011	356
			German Honours B	GRMN4012	357
			German Honours C	GRMN4013	357
			German Honours D	GRMN4014	357
			German Literature and Culture	GRMN2683	355
			German Philosophy, Leibniz to Nietzsche	PHIL2648	593
<b>G</b>					
Gender & Sexuality in German Literature	GRMN2638	355			
Gender and Human Rights	GOVT2336	347			
Gender in Modern Asia	ASNS2676	65			
Gender in Modern Chinese Literature	CHNS3634	148			
Gender Studies Exchange	GCST2804	323			
Gender Studies Exchange	GCST2805	323			
Gender Studies Exchange	GCST2806	323			
Gender Studies Exchange	GCST2810	323			
Gender Studies Exchange	GCST2811	323			
Gender Studies Honours A	WMST4011	754			
Gender Studies Honours B	WMST4012	754			
Gender Studies Honours C	WMST4013	754			
Gender Studies Honours D	WMST4014	754			
Gender Studies Honours Seminar A	GCST4103	325			
Gender Studies Honours Seminar B	GCST4104	325			
Gender Studies Honours Thesis A	GCST4105	325			
Gender Studies Honours Thesis B	GCST4106	325			
Gender Studies Honours Thesis C	GCST4107	325			
Gender Studies Honours Thesis D	GCST4108	325			
Gender, Communities and Difference	GCST2608	322			
Gender, Race and Australian Identities	GCST3601	324			
General Drawing	AWSS2015	73			
General Exchange	ECOF1551	213			
General Statistical Methods 1	STAT1021	668			
Generative Design Systems	DECO2013	192			
Genetics and Biometry	VETS2009	713			

Germanic Studies Exchange	GRMN2811	356	Government Exchange	GOVT2884	349
Germanic Studies Exchange	GRMN2812	356	Government Exchange	GOVT2885	349
Germanic Studies Exchange	GRMN2813	356	Government Extension	GOVT9001	350
Germanic Studies Exchange	GRMN2814	356	Government Extension	GOVT9002	350
Germanic Studies Exchange	GRMN2815	356	Government Extension	GOVT9003	351
Gifted and Talented Education A	EDUP4062	258	Government Extension	GOVT9004	351
Gifted and Talented Education B	EDUP4063	258	Government Honours A	GOVT4101	350
GIS in Coastal Management	GEOS3014	341	Government Honours B	GOVT4102	350
GIS in Coastal Management (Advanced)	GEOS3914	345	Government Honours C	GOVT4103	350
GIS, Remote Sensing and Land Management	ENVX4001	301	Government Honours D	GOVT4104	350
Glass C	MSTD2521	524	Government, Business and Society	GOVT2558	348
Glass C (Major)	MSTD2221	521	Graphic Design (Introduction)	AWSS2016	73
Glass C Studio Extension	CAEX2002	123	Graphics and Multimedia	COMP3419	171
Glass Casting Elective Advanced	CAEL3004	122	Great Books 2: Innovations, Inspirations	ICLS2636	388
Glass Casting Elective Intermediate	CAEL2008	121	Greece and the East	ARCA3602	45
Glass Casting Elective Introductory	CAEL2007	121	Greece and the European Imaginary	MGRK2657	502
Glass D	MSTD2522	524	Greek (Ancient) Exchange	GRKA2804	351
Glass D (Major)	MSTD2222	521	Greek (Ancient) Exchange	GRKA2805	351
Glass D Studio Extension	CAEX2010	124	Greek and Roman Literature - Epic	CLSS2603	162
Glass E	MSTD3521	530	Greek and Roman Magic	ANHS2611	35
Glass E (Major)	MSTD3121	527	Greek and Roman Myth	ANHS1602	35
Glass E Studio Extension	CAEX3002	125	Greek Epic	GRKA3602	352
Glass F	MSTD3522	531	Greek Honours A	GRKA4011	352
Glass F (Major)	MSTD3122	527	Greek Honours B	GRKA4012	352
Glass F Studio Extension	CAEX3010	126	Greek Honours C	GRKA4013	352
Glass Flame Working Elective Advanced	CAEL3003	122	Greek Honours D	GRKA4014	352
Glass Flame Working Elective Inter	CAEL2006	121	Greek Philosophical Texts	GRKA3604	352
Glass Flame Working Elective Intro	CAEL2005	121	Green Engineering	CHNG5003	144
Global Communication	GBST2604	321	Growth, Development and Ageing	EXSS2026	306
Global Culture and Society	INGS1002	397	Guidance and Control	AMME4500	30
Global Energy and Resources	GEOS3102	342	Guitar 1	STRG1611	673
Global Energy and Resources (Adv)	GEOS3802	344	Guitar 2	STRG1612	673
Global Entrepreneurship and Enterprise	IBUS3103	385	Guitar 3	STRG2613	678
Global Political Economy	ECOP3012	216	Guitar 3 (Advanced)	STRG2713	681
Global Poverty and Education	EDUF3026	248	Guitar 3 (Major)	STRG2006	676
Global Studies Exchange 1	GBST2801	321	Guitar 4	STRG2614	678
Global Studies Exchange 2	GBST2802	321	Guitar 4 (Advanced)	STRG2714	681
Global Studies Exchange 3	GBST2803	321	Guitar 4 (Major)	STRG2007	676
Global Studies Exchange 4	GBST2804	321	Guitar 5	STRG3615	686
Global Studies Exchange 5	GBST2805	321	Guitar 5 (Major)	STRG3004	683
Global Studies Exchange 6	GBST2806	321	Guitar 5 (Minor)	STRG3016	684
Global Studies Exchange 7	GBST2807	321	Guitar 6	STRG3616	687
Global Studies Exchange 8	GBST2808	321	Guitar 6 (Major)	STRG3005	683
Global Studies, Society, Culture, Nation	GBST2601	321	Guitar 6 (Minor)	STRG3017	684
Global Transformations	SCLG2616	649	Guitar 7	STRG4617	692
Globalisation and National Governance	GOVT2440	347	Guitar 7 (Advanced)	STRG4717	694
Governing China: The Premodern Heritage	CHNS3642	148	Guitar 7 (Major)	STRG4006	689
Government 2 Honours	GOVT2991	349	Guitar 7 (Minor)	STRG4014	690
Government 3 Honours Part A	GOVT3993	350	Guitar 8	STRG4618	692
Government 3 Honours Part B	GOVT3994	350	Guitar 8 (Advanced)	STRG4718	694
Government Exchange	GOVT1001	346	Guitar 8 (Major)	STRG4008	689
Government Exchange	GOVT1881	346	Guitar 8 (Minor)	STRG4015	690
Government Exchange	GOVT1882	346	Guitar Ensemble 1	STRG1039	672
Government Exchange	GOVT2881	349	Guitar Ensemble 2	STRG1040	672
Government Exchange	GOVT2882	349	Guitar Ensemble 3	STRG2035	677
Government Exchange	GOVT2883	349	Guitar Ensemble 4	STRG2036	677

Guitar Ensemble 5	STRG3037	686	Health Physics and Radiation Biology	MRTY1036	513
Guitar Ensemble 6	STRG3038	686	Health Planning, Policy and Evaluation	BACH3133	82
Guitar Ensemble 7	STRG4041	691	Health Planning, Policy and Evaluation A	AHCD4032	24
Guitar Ensemble 8	STRG4042	691	Health Policy	BACH3145	82
			Health Policy and Service Delivery	BACH2127	79
			Health Policy Development	BACH2137	79
			Health Promotion	AHCD3017	24
			Health Psychology	BACH3075	80
			Health Science and Research	HSBH1007	372
			Health Science and Research 2	HSBH2001	373
			Health Science Elective 1	HSEL2102	374
			Health Science Elective 10	HSEL2204	375
			Health Science Elective 11	HSEL2304	375
			Health Science Elective 12	HSEL2404	375
			Health Science Elective 13	HSEL2106	374
			Health Science Elective 14	HSEL2206	375
			Health Science Elective 15	HSEL2306	375
			Health Science Elective 16	HSEL2406	375
			Health Science Elective 17	HSEL3102	375
			Health Science Elective 18	HSEL3202	376
			Health Science Elective 19	HSEL3302	376
			Health Science Elective 2	HSEL2202	375
			Health Science Elective 20	HSEL3402	376
			Health Science Elective 21	HSEL3103	375
			Health Science Elective 22	HSEL3203	376
			Health Science Elective 23	HSEL3303	376
			Health Science Elective 24	HSEL3403	376
			Health Science Elective 25	HSEL3104	375
			Health Science Elective 26	HSEL3204	376
			Health Science Elective 27	HSEL3304	376
			Health Science Elective 28	HSEL3404	376
			Health Science Elective 29	HSEL3106	376
			Health Science Elective 3	HSEL2302	375
			Health Science Elective 30	HSEL3206	376
			Health Science Elective 31	HSEL3306	376
			Health Science Elective 32	HSEL3406	376
			Health Science Elective 33	HSEL2112	374
			Health Science Elective 34	HSEL2113	374
			Health Science Elective 35	HSEL2114	375
			Health Science Elective 36	HSEL2116	375
			Health Science Elective 37	HSEL3112	376
			Health Science Elective 38	HSEL3113	376
			Health Science Elective 39	HSEL3114	376
			Health Science Elective 4	HSEL2402	375
			Health Science Elective 40	HSEL3116	376
			Health Science Elective 5	HSEL2103	374
			Health Science Elective 6	HSEL2203	375
			Health Science Elective 7	HSEL2303	375
			Health Science Elective 8	HSEL2403	375
			Health Science Elective 9	HSEL2104	374
			Health Sciences Exchange	HSSX2801	377
			Health Sciences Exchange	HSSX2802	377
			Health Sciences Exchange	HSSX2803	377
			Health Sciences Exchange	HSSX2804	377
			Health Sciences Exchange	HSSX3801	377
			Health Sciences Exchange	HSSX3802	377
<b>H</b>					
Harmony and Analysis 1	MCGY1008	479			
Harmony and Analysis 2	MCGY1009	480			
Harmony and Analysis 3	MCGY2010	482			
Harmony and Analysis 4	MCGY2011	482			
Harp 1	STRG1621	674			
Harp 2	STRG1622	674			
Harp 3	STRG2623	678			
Harp 3 (Advanced)	STRG2723	681			
Harp 3 (Major)	STRG2008	676			
Harp 4	STRG2624	679			
Harp 4 (Advanced)	STRG2724	681			
Harp 4 (Major)	STRG2009	676			
Harp 5	STRG3625	687			
Harp 5 (Major)	STRG3006	683			
Harp 5 (Minor)	STRG3035	685			
Harp 6	STRG3626	687			
Harp 6 (Major)	STRG3007	683			
Harp 6 (Minor)	STRG3036	686			
Harp 7	STRG4627	692			
Harp 7 (Advanced)	STRG4727	695			
Harp 7 (Major)	STRG4010	690			
Harp 8	STRG4628	692			
Harp 8 (Advanced)	STRG4728	695			
Harp 8 (Major)	STRG4011	690			
Harpsichord 1	EMUS1601	269			
Harpsichord 2	EMUS1602	269			
Harpsichord 3	EMUS2603	271			
Harpsichord 3 (Advanced)	EMUS2703	274			
Harpsichord 4	EMUS2604	271			
Harpsichord 4 (Advanced)	EMUS2704	274			
Harpsichord 5	EMUS3605	275			
Harpsichord 6	EMUS3606	275			
Harpsichord 7	EMUS4607	277			
Harpsichord 7 (Advanced)	EMUS4707	279			
Harpsichord 8	EMUS4608	277			
Harpsichord 8 (Advanced)	EMUS4708	279			
Health and Cultural Issues in Rural Aust	PHAR4650	585			
Health and Cultural Pluralism	BACH4066	84			
Health and Globalisation	BACH3128	82			
Health and Indigenous Populations	HSBH3001	373			
Health and Wellness in Early Childhood	EDBT5556	225			
Health Care Ethics	SING4062	658			
Health Care Resources and Systems	HSBH1009	373			
Health Determinants and Interventions	HSBH1008	372			
Health Economics	ECOS3017	221			
Health Illness & Care: Int'l Perspective	ASSN3002	66			
Health Illness & Care: Int'l Perspective	NURS3002	551			
Health Illness & Care: Int'l Perspective	SNGP3002	662			
Health Informatics D	HIMT3063	364			
Health Law Jurisprudence	LAWS3081	455			

Health Sciences Exchange	HSSX3803	377	Hindi and Urdu Advanced 1	HIUR3601	365
Health Sciences Exchange	HSSX3804	377	Hindi and Urdu Advanced 2	HIUR3602	366
Health Sciences Exchange	HSSX4801	378	Hindi and Urdu Intermediate 1	HIUR2601	365
Health Sciences Exchange	HSSX4802	378	Hindi and Urdu Intermediate 2	HIUR2602	365
Health Sciences Exchange	HSSX4803	378	Histology Exchange	HSTO3551	379
Health Sciences Exchange	HSSX4804	378	Histology Exchange	HSTO3552	379
Health Service Strategy and Policy	HSBH3003	373	Historical and Cultural Studies 1	GENS2004	331
Health, Attitudes and Interaction	BACH1148	78	Historical and Cultural Studies 2	GENS2005	332
Health, Behaviour and Society	HSBH1003	372	Historical and Cultural Studies 3	GENS3004	332
Health, Ethics and the Law	HSBH3004	373	Historical and Cultural Studies 4	GENS3005	332
Health, Illness and Social Inquiry	BACH1134	77	Historical Archaeology	ARPH2612	59
Hearing Science and Audiology	BIOS1165	106	Historical Performance Practice	MCGY2631	485
Heart & Circulation: Dysfunction Adv	PHSI3908	598	Historiography Ancient and Modern	ANHS2612	36
Heart & Circulation: Normal Function Adv	PHSI3907	598	History & Philosophy of Science	BACH3127	81
Heart and Circulation: Dysfunction	PHSI3008	597	History & Philosophy of Science Exchange	HPSC1551	367
Heart and Circulation: Normal Function	PHSI3007	597	History & Philosophy of Science Exchange	HPSC2551	367
Hebrew (Classical) Honours A	HBRW4011	362	History & Philosophy of Science Exchange	HPSC2552	367
Hebrew (Classical) Honours B	HBRW4012	362	History & Philosophy of Science Exchange	HPSC2553	367
Hebrew (Classical) Honours C	HBRW4013	362	History & Philosophy of Science Exchange	HPSC2554	368
Hebrew (Classical) Honours D	HBRW4014	362	History & Philosophy of Science Exchange	HPSC2555	368
Hebrew (Modern) Honours A	HBRW4021	362	History & Philosophy of Science Exchange	HPSC3551	369
Hebrew (Modern) Honours B	HBRW4022	363	History & Philosophy of Science Exchange	HPSC3552	369
Hebrew (Modern) Honours C	HBRW4023	363	History & Philosophy of Science Exchange	HPSC3553	369
Hebrew (Modern) Honours D	HBRW4024	363	History & Philosophy of Science Honours	HPSC4999	371
Hebrew Accelerated C1	HBRW2631	361	History and Philosophy of Science	BACH4019	83
Hebrew Accelerated C2	HBRW2632	361	History and Politics of War and Peace	PACS2002	571
Hebrew Classical 3	HBRW2623	361	History Curriculum 1	EDBT5609	227
Hebrew Classical 4	HBRW2624	361	History Curriculum 2	EDBT5659	230
Hebrew Classical B1	HBRW1111	359	History Curriculum 3	EDBT6609	234
Hebrew Classical B2	HBRW1112	359	History Exchange	HSTY1801	380
Hebrew Modern 10	HBRW2610	360	History Exchange	HSTY1802	380
Hebrew Modern 11	HBRW2611	360	History Exchange	HSTY2805	383
Hebrew Modern 12	HBRW2612	361	History Exchange	HSTY2806	383
Hebrew Modern 3	HBRW2603	359	History Exchange	HSTY2809	383
Hebrew Modern 4	HBRW2604	359	History Exchange	HSTY2810	383
Hebrew Modern 5	HBRW2605	359	History Exchange	HSTY2811	383
Hebrew Modern 6	HBRW2606	360	History Honours A	HSTY4011	383
Hebrew Modern 7	HBRW2607	360	History Honours B	HSTY4012	383
Hebrew Modern 8	HBRW2608	360	History Honours C	HSTY4013	383
Hebrew Modern 9	HBRW2609	360	History Honours D	HSTY4014	384
Hebrew Modern B1	HBRW1011	359	History of Biological/Medical Sciences	HPSC3002	368
Hebrew Modern B2	HBRW1102	359	History of Economic Thought	ECOS3004	220
Heidegger's Phenomenology	PHIL2639	593	History of Modern Indonesia	ASNS2661	64
Heritage Studies Exchange	HRTG2804	371	History of Science	HPSC4102	370
Heritage Studies Exchange	HRTG2805	371	HIV/AIDS: Developments in Rehabilitation	REHB3069	635
Heritage Studies Exchange	HRTG2806	372	Honours 1	EDBT5538	224
Heritage Studies Exchange	HRTG2809	372	Honours 2	EDBT6119	232
Heritage Studies Exchange	HRTG2810	372	Honours Dissertation A	THAP4231	706
Hierarchies, Incentives & Firm Structure	ECOS3003	220	Honours Dissertation B	THAP4222	706
High Acuity Nursing	CLIN3001	161	Honours Elective	VETS5355	723
High Energy/Astrophysics & Lab	PHYS3071	610	Honours Paper I	CSCD4039	184
High Energy/Astrophysics & Lab (Adv)	PHYS3971	614	Honours Paper II	CSCD4040	184
High Energy/Cond. Matter Phys.& Lab(Adv)	PHYS3974	614	Honours Project 1	PERF4601	578
High Energy/Cond. Matter Physics & Lab	PHYS3074	610	Honours Project 2	PERF4602	579
High Performance Coaching	EXSS3043	308	Honours Research Dissertation	PHTY4101	604
High Voltage Engineering	ELEC5205	267	Honours Research Methods A	MECO4601	499

Honours Research Methods B	MECO4602	500	Hot Glass Elective Advanced	CAEL3005	122
Honours Research Proposal	BHSC3014	91	Hot Glass Elective Intermediate	CAEL2010	122
Honours Research Seminar 1	BHSC4001	91	Hot Glass Elective Introductory	CAEL2009	121
Honours Research Seminar 2	BHSC4002	91	Housing for Health	DAAE2004	187
Honours Research Seminar I	CSCD3051	181	HPS Research Methods	HPSC4105	370
Honours Research Seminar I	OCCP3029	557	HPS Research Project 1	HPSC4201	371
Honours Research Seminar II	CSCD3054	181	HPS Research Project 2	HPSC4202	371
Honours Research Seminar II	OCCP4019	559	HPS Research Project 3	HPSC4203	371
Honours Seminar A	MECO4603	500	HPS Research Project 4	HPSC4204	371
Honours Seminar B	MECO4604	500	Human Biochemistry	BCHM2072	86
Honours Studio A Fine Arts	MSTD4231	533	Human Biochemistry (Advanced)	BCHM2972	87
Honours Studio A Media Arts	MSTD4221	533	Human Biology	BIOL1003	92
Honours Studio A Object Art and Design	MSTD4241	534	Human Biology	CLIN3020	161
Honours Studio B Fine Arts	MSTD4232	534	Human Biology (Advanced)	BIOL1903	93
Honours Studio B Media Arts	MSTD4222	533	Human Biology and Biochemistry	BIOS1126	103
Honours Studio B Object Art and Design	MSTD4242	534	Human Biology and Radiobiology	BIOS1156	105
Honours Studio Project A	MSTD4111	533	Human Biology Workshop A	AHCD1060	22
Honours Studio Project B	MSTD4112	533	Human Biology Workshop B	AHCD1066	23
Honours Theories of Art Practice	THAP4251	706	Human Bioscience	EDUH1016	251
Honours Thesis	CSCD4038	184	Human Cell Biology	BIOS1167	106
Honours Thesis	OCCP4072	561	Human Cellular Physiology (Ad): Research	PHSI3906	598
Honours Thesis 1A	MRTY4032	519	Human Cellular Physiology (Adv): Theory	PHSI3905	598
Honours Thesis 1B	MRTY4033	519	Human Cellular Physiology: Research	PHSI3006	597
Honours Thesis A	AMME4111	28	Human Cellular Physiology: Theory	PHSI3005	596
Honours Thesis A	CHNG4811	143	Human Communication	CSCD1032	177
Honours Thesis A	CIVL4022	155	Human Development	HSBH1005	372
Honours Thesis A	ELEC4712	266	Human Development and Education	EDUF1019	247
Honours Thesis A	EXSS4004	310	Human Development and Learning	KCDE1203	428
Honours Thesis A	MECO4605	500	Human Molecular Cell Biology	BCHM3072	87
Honours Thesis A	MRTY4034	519	Human Molecular Cell Biology (Advanced)	BCHM3972	89
Honours Thesis A	NURS4021	552	Human Occupations IA	OCCP1081	555
Honours Thesis B	AMME4112	29	Human Occupations IB	OCCP1036	555
Honours Thesis B	CHNG4812	143	Human Occupations IIA	OCCP2041	556
Honours Thesis B	CIVL4023	155	Human Occupations IIB	OCCP2042	557
Honours Thesis B	ELEC4713	266	Human Occupations III	OCCP3064	558
Honours Thesis B	EXSS4005	310	Human Resource Processes	WORK2205	755
Honours Thesis B	MECO4606	500	Human Resource Strategies	WORK2211	755
Honours Thesis B	MRTY4035	519	Human Rights & the Global Public Sphere	GBST2602	321
Honours Thesis B	NURS4022	552	Human Rights and Social Justice	AHCD4053	25
Honours Thesis C	MECO4607	500	Human Rights and Social Protest	SCLG2624	650
Honours Thesis C	MRTY4036	519	Human Society and its Environment	EDUP3002	256
Honours Thesis C	NURS4023	552	Human Society and its Environment 1	KCDE1204	428
Honours Thesis D	MECO4608	500	Human Society and its Environment 2	EDUP4080	260
Honours Thesis D	MRTY4037	519	Human Society and its Environment 2	KCDE2204	429
Honours Thesis I	CSCD4045	185	Human Society and its Environment 3	KCSE3204	430
Honours Thesis II	CSCD4046	185	Human Society and its Environment 4	KCSE4104	431
Honours Thesis/Research Report A	BHSC4003	91	Human Society and its Environment 5	KCSE4204	432
Honours Thesis/Research Report B	BHSC4004	91	Human Society and its Environs K-6	EDBT5534	224
Honours Workshop	AHCD4052	25	Human-Computer Experience Des Stdo	DECO3200	197
Honours Workshop	REHB4023	636	Human-Computer Interaction	INFO3315	392
Honours/ Research Project	GDMP4110	330			
Honours: Research in Music Education 1	MUED3629	541			
Honours: Research in Music Education 2	MUED3630	542			
Hormones, Reproduction and Development	BMED2805	111	I		
Horse Medicine and Surgery	VETS4222	719	Identifying Health Determinants	EDUH1006	251
Horticultural Science 2	HORT2002	366	Images of Contemporary Italy	ITLN3667	403
			Imaging Applications in RT	SING4077	660
			Immunology Exchange	IMMU2551	389

Immunology Exchange	IMMU2552	389	Industrial Relations & HRM Extension	WORK9004	758
Immunology Exchange	IMMU2553	389	Industrial Relations & HRM Honours A	WORK4101	758
Immunology Exchange	IMMU3551	389	Industrial Relations & HRM Honours B	WORK4102	758
Immunology Exchange	IMMU3552	390	Industrial Relations & HRM Honours C	WORK4103	758
Immunology Honours A	IMMU4011	390	Industrial Relations & HRM Honours D	WORK4104	758
Immunology Honours B	IMMU4012	390	Industrial Relations Policy	WORK2203	755
Immunology Honours C	IMMU4013	390	Industrial Systems and Sustainability	CHNG2805	137
Immunology Honours D	IMMU4014	390	Inertial Navigation & the Kalman Filter	AMME4700	30
Immunology in Human Disease	IMMU3202	389	Infectious Diseases	INFD3012	390
Impatient Capital: 21st Century Italy	ITLN3693	404	Infectious Diseases Honours A	INFD4011	390
Independent Learning Activity	GDMP2025	327	Infectious Diseases Honours B	INFD4012	390
Independent Research Project	LAWS3030	451	Infectious Diseases Honours C	INFD4013	390
Independent Research Project	LAWS3031	451	Infectious Diseases Honours D	INFD4014	391
India: Tradition and Modernity	ASNS2623	63	Informatics (Advanced)	INFO1903	391
Indigenous Australia: An Introduction	KOCR2600	435	Information Systems	ISYS2140	400
Indigenous Australian Education	EDUP2006	255	Information Systems Exchange	ISYS1551	400
Indigenous Australians and Modernity	ANTH2630	40	Information Systems Exchange	ISYS1552	400
Indigenous Community Health Project A	AHCD3008	23	Information Systems Exchange	ISYS2554	400
Indigenous Community Health Project B	AHCD4001	24	Information Systems Exchange	ISYS2555	400
Indigenous Community Health Promotion A	AHCD4034	24	Information Systems Exchange	ISYS2556	400
Indigenous Community Health Promotion B	AHCD4022	24	Information Systems Exchange	ISYS2557	400
Indigenous Creative Expression	KOCR2607	436	Information Systems Exchange	ISYS3554	401
Indigenous Education and Society	KCDE1103	428	Information Systems Exchange	ISYS3555	401
Indigenous Health and Communities	KCDE2203	429	Information Systems Exchange	ISYS3556	401
Indigenous Land and Culture	KCSE3103	430	Information Systems Exchange	ISYS3557	401
Indigenous Sport, Education and Culture	EDUH4053	254	Information Systems Honours A	ISYS4301	401
Indonesian 1A	INMS1101	397	Information Systems Honours B	ISYS4302	401
Indonesian 1B	INMS1102	397	Information Systems Honours C	ISYS4303	401
Indonesian 2A	INMS2601	397	Information Systems Honours D	ISYS4304	401
Indonesian 2B	INMS2602	397	Information Systems Project	ISYS3400	400
Indonesian 3A	INMS3601	399	Information Technology Exchange	INFO1551	391
Indonesian 3B	INMS3602	399	Information Technology Exchange	INFO2551	392
Indonesian Advanced Studies C	INMS3605	399	Information Technology Exchange	INFO2552	392
Indonesian Advanced Studies D	INMS3606	399	Information Technology Exchange	INFO3551	393
Indonesian and Malay Studies Honours A	INMS4011	399	Information Technology Exchange	INFO3552	393
Indonesian and Malay Studies Honours B	INMS4012	400	Information Technology Exchange	INFO3553	393
Indonesian and Malay Studies Honours C	INMS4013	400	Information Technology in Education	EDBT5501	223
Indonesian and Malay Studies Honours D	INMS4014	400	Information Technology in Schools	EDSE4044	244
Indonesian Exchange	INMS2805	399	Information Visualisation Design Studio	DECO3100	197
Indonesian Exchange	INMS2806	399	Initiation Rituals	ANTH2621	39
Indonesian Exchange	INMS2807	399	Innovation/Technology Commercialisation	ENGGA061	283
Indonesian Exchange	INMS2808	399	Innovative Building Structures	DAAE2008	188
Indonesian In-Country Study A	INMS2650	397	Inquiry and Research in Nursing	ASSN3007	67
Indonesian In-Country Study B	INMS2651	397	Inquiry and Research in Nursing	CLIN3002	161
Indonesian In-Country Study C	INMS2652	398	Inquiry and Research in Nursing	SNGP3007	662
Indonesian In-Country Study D	INMS2653	398	Insect Taxonomy and Systematics	ENTO4004	299
Indonesian In-Country Study E	INMS2654	398	Instrumental Pedagogy	MUED4000	542
Indonesian In-Country Study F	INMS2655	398	Instrumentation & Measurement	CIVL2511	151
Indonesian In-Country Study G	INMS2656	398	Instrumentation III	ORTH3055	567
Indonesian In-Country Study H	INMS2657	398	Instrumentation in Analytical Chemistry	AGCH4007	14
Industrial Ergonomics	MECH4622	496	Int Comparative Literary Studies Exch	ICLS2801	388
Industrial Organisation	ECOS3005	220	Int Comparative Literary Studies Exch	ICLS2802	388
Industrial Relations & HRM Exchange	WORK1551	754	Int Comparative Literary Studies Exch	ICLS2803	388
Industrial Relations & HRM Extension	WORK9001	758	Int Comparative Literary Studies Exch	ICLS2804	388
Industrial Relations & HRM Extension	WORK9002	758	Int Comparative Literary Studies Hons A	ICLS4011	388
Industrial Relations & HRM Extension	WORK9003	758	Int Comparative Literary Studies Hons B	ICLS4012	388

Int Comparative Literary Studies Hons C	ICLS4013	388	International Business Extension	IBUS9001	387
Int Comparative Literary Studies Hons D	ICLS4014	388	International Business Extension	IBUS9002	387
Integral Calculus and Modelling	MATH1003	464	International Business Extension	IBUS9003	387
Integral Calculus and Modelling Advanced	MATH1903	466	International Business Extension	IBUS9004	387
Integrated Arts (A) Special Course	EDUP4070	259	International Business Research Methods	IBUS4102	387
Integrated Arts (B) Special Course	EDUP4071	259	International Business Seminar	IBUS4103	387
Integrated Diagnosis and Treatment	MRTY2089	514	International Business Special Project	IBUS3106	386
Integrated Diagnosis and Treatment	SING4075	660	International Business Strategy	IBUS2101	385
Integrated Dispensing	PHAR4620	585	International Business Thesis	IBUS4104	387
Integrated Pest Management	ENTO4003	299	International Commercial Arbitration sem	LAWS3092	456
Integrated Pharmacy Practice	PHAR4618	584	International Commercial Transactions	LAWS3072	454
Integrated Physiology A	PHSI2005	595	International Corporate Governance	ACCT3031	5
Integrated Physiology A (Advanced)	PHSI2905	596	International Curriculum	EDBT5000	222
Integrated Physiology B	PHSI2006	595	International Economy and Finance	ECOP1003	215
Integrated Physiology B (Advanced)	PHSI2906	596	International Education	EDUF3027	248
Integrated Rural and Remote Health Care	PHAR4653	586	International Exchange B	AMME0011	25
Integrative Neuroscience	NEUR3004	549	International Exchange C	AMME0012	25
Integrative Neuroscience (Advanced)	NEUR3904	550	International Exchange D	AMME0013	25
Integrative Studies 402	SCWK4002	657	International Exchange E	AMME0014	26
Intellectual Property	LAWS3033	451	International Exchange F	AMME0015	26
Intelligence and Differential Psychology	PSYC3015	629	International Exchange G	AMME0016	26
Intensive Animal Industries	AVBS4008	70	International Exchange H	AMME0017	26
Interaction Design Studio	DECO2200	193	International Exchange I	AMME0018	26
Interactive and Algorithmic Composition	CMPN3008	167	International Financial Management	FINC3011	313
Interactive Multimedia Design	DECO2102	192	International Health Project	HSBH3009	373
Interdisciplinary Thesis A	AMME4103	28	International Human Resource Management	WORK2217	756
Interdisciplinary Thesis B	AMME4104	28	International Human Rights Law	LAWS3034	451
Intermediate Clinical IA	CSCD3063	182	International Law	LAWS1018	443
Intermediate Clinical IB	CSCD3065	183	International Law	LAWS2005	444
Intermediate Clinical IH	CSCD3050	181	International Macroeconomics	ECOS3007	220
Intermediate Clinical IIA	CSCD3064	182	International Marketing	MKTG3116	508
Intermediate Clinical IIB	CSCD3066	183	International Organisations	GOVT2226	347
Intermediate Clinical IIH	CSCD3053	181	International Professional Practice	HSIP2999	377
Intermediate Greek 1	GRKA2600	351	International Professional Practice	HSIP3999	377
Intermediate Greek 2	GRKA2601	351	International Professional Practice	HSIP4999	377
Intermediate Italian 3	ITLN2611	402	International Risk Management	IBUS3102	385
Intermediate Italian 4	ITLN2612	402	International Security in 21st Century	GOVT2225	347
Intermediate Latin 1	LATN2600	439	International Studies Practicum	GOVT2802	349
Intermediate Latin 2	LATN2601	439	International Trade	ECOS3006	220
Intermediate Logic	PHIL2615	591	Internet Software Platforms	ELEC3609	264
Intermediate Macroeconomics	ECOS2002	218	Internship	EDSE5008	244
Intermediate Macroeconomics Honours	ECOS2902	219	Internship 1	ARTS2600	60
Intermediate Microeconomics	ECOS2001	218	Internship Project	MECO3672	499
Intermediate Microeconomics Honours	ECOS2901	219	Internship Research Paper	SSCI3602	667
Intermediate Spanish 1	SPAN2601	665	Intimacy, Love and Friendship	GCST2610	323
Intermediate Spanish 2	SPAN2602	665	Intro to Aircraft Construction & Design	AERO1400	6
Intermediate Statistics	BACH4043	83	Intro to Property and Commercial Law	LAWS2012	446
Intermediate Statistics	BACH4055	83	Intro to Structural Concepts and Design	CIVL2230	151
International Agricultural Trade	AGEC4103	17	Intro. to Artificial Intelligence (Adv)	COMP3608	172
International Business Alliances	IBUS3101	385	Introducing Media and Popular Culture	GCST2601	322
International Business Exchange	IBUS2551	385	Introduction to Aerospace Engineering	AERO1560	7
International Business Exchange	IBUS2552	385	Introduction to Ancient Greek 1	GRKA1600	351
International Business Exchange	IBUS3551	386	Introduction to Ancient Greek 2	GRKA1601	351
International Business Exchange	IBUS3552	386	Introduction to Artificial Intelligence	COMP3308	171
International Business Exchange	IBUS3553	386	Introduction to Biomechatronics	AMME4790	31
International Business Exchange	IBUS3554	386	Introduction to Calculus	MATH1111	465

Introduction to Chinese Civilisation	ASNS1101	62	IR and HRM Practice	WORK2215	756
Introduction to Clinical Research Ethics	SMTP2000	661	Islam and Muslims in World History	ARIS2673	56
Introduction to Digital Music Techniques	MUSC2653	545	Islam and Politics: Modernity Challenges	ARIS2674	56
Introduction to Geology	GEOS1003	337	Islam: Democracy, Development and Gender	GOVT2774	349
Introduction to Geology (Advanced)	GEOS1903	337	Israel in the Modern Middle East	JCTC2607	422
Introduction to Indigenous Australia	KCDE2104	429	Issue Based Learning Unit 1	SCWK3006	656
Introduction to IT Security	INFO2315	392	Issue Based Learning Unit 2	SCWK3007	656
Introduction to Japan	JPNS2660	424	Issue Based Learning Unit 3	SCWK4003	657
Introduction to Linear Algebra	MATH1014	465	Issue Based Learning Unit 4	SCWK4004	657
Introduction to Management Principles	HIMT1051	363	Issues in Horticultural Science 4A	HORT4004	366
Introduction to Marine Biology	BIOL2018	94	Issues in Indigenous Rights	KCSE4102	431
Introduction to Marine Biology (Adv)	BIOL2918	95	Issues in Indigenous Rights	KOCR2602	435
Introduction to Mechanical Engineering	MECH1560	492	Issues in Nutrition Education	EDUH4054	254
Introduction to Old English	ENGL3633	288	Issues in School Counselling	EDSP5002	246
Introduction to Old Norse	ENGL3635	288	Issues in Theoretical Linguistics	LNGS3690	460
Introduction to Programming	INFO1103	391	IT in the Primary Classroom A	EDUP4066	258
Introduction to Project Management	DAAE2007	188	IT in the Primary Classroom B	EDUP4067	258
Introduction to Socio-Legal Studies	SLSS1001	661	IT Research Thesis A	INFO4991	393
Introduction to Sociology 1	SCLG1001	646	IT Research Thesis B	INFO4992	393
Introduction to Sociology 2	SCLG1002	647	Italian Diction for Singers 1	VSAO1008	725
Introduction to Spanish Translation	SPAN3622	666	Italian Diction for Singers 2	VSAO2028	728
Introduction to Stravinsky	MUSC2632	545	Italian Exchange	ITLN1801	402
Introduction to Teaching and Learning	EDBT5500	223	Italian Exchange	ITLN1802	402
Introduction to the Archaeology of Iran	ARNE2603	58	Italian Exchange	ITLN2811	402
Introduction à la Linguistique	FRNC2651	318	Italian Exchange	ITLN2812	403
Introductory Behavioural Health Sciences	BACH1161	78	Italian Exchange	ITLN2813	403
Introductory Clinical I	CSCD2048	178	Italian Exchange	ITLN2814	403
Introductory Clinical II	CSCD2049	178	Italian Exchange	ITLN2815	403
Introductory Epidemiology	HIMT3059	364	Italian Exchange	ITLN2816	403
Introductory Geography	GEOS1002	337	Italian Exchange	ITLN2817	403
Introductory Geography (Advanced)	GEOS1902	337	Italian Honours A	ITLN4011	404
Introductory Health Physics	BIOS1157	105	Italian Honours B	ITLN4012	405
Introductory Immunology	IMMU2101	388	Italian Honours C	ITLN4013	405
Introductory Italian 1	ITLN1611	401	Italian Honours D	ITLN4014	405
Introductory Italian 2	ITLN1612	402	Italian Literature: 1200-1860	ITLN3691	404
Introductory Latin 1	LATN1600	439	Italian Sociolinguistics	ITLN3684	404
Introductory Latin 2	LATN1601	439			
Introductory Logic	PHIL1012	590			
Introductory Macroeconomics	ECON1002	214	<b>J</b>		
Introductory Mathematical Finance	FINC2013	313	Japan in East Asia from 1840 until Today	ASNS2672	65
Introductory Microeconomics	ECON1001	214	Japan In-Country Study 1	JPNS3841	425
Introductory Neuroscience	BIOS1137	104	Japan In-Country Study 2	JPNS3842	425
Introductory Pharmaceutical Science	PHAR1616	579	Japanese 1	JPNS1611	423
Introductory Practice 1: Clinical	CSCD2060	179	Japanese 10	JPNS3632	425
Introductory Practice 1: Community	CSCD2061	179	Japanese 2	JPNS1612	423
Introductory Sonography	MRTY3115	518	Japanese 3	JPNS2611	423
Introductory Spanish 1	SPAN1601	664	Japanese 4	JPNS2612	423
Introductory Spanish 2	SPAN1602	664	Japanese 5	JPNS2621	423
Introductory Toxicology	BIOS2111	108	Japanese 6	JPNS2622	423
Introductory Urban Design and Planning	DESP1001	206	Japanese 7	JPNS3621	424
Introductory Veterinary Pathogenesis	AVBS2001	68	Japanese 8	JPNS3622	424
Invertebrate Zoology	BIOL2011	93	Japanese 9	JPNS3631	425
Invertebrate Zoology (Advanced)	BIOL2911	94	Japanese Exchange	JPNS1801	423
Investigating in Science and Technology	EDUP3005	256	Japanese Exchange	JPNS1802	423
Investments and Portfolio Management	FINC3017	314	Japanese Exchange 3	JPNS2811	424
Invisible Cities: Imagining Urban Italy	HSTY2645	381	Japanese Exchange 4	JPNS2812	424
			Japanese Exchange 5	JPNS2813	424



Japanese Exchange 6	JPNS2814	424	Jazz Performance 4 (Advanced)	JAZZ2704	415
Japanese Exchange 7	JPNS2815	424	Jazz Performance 5	JAZZ3010	416
Japanese Honours A	JPNS4011	425	Jazz Performance 5	JAZZ3605	417
Japanese Honours B	JPNS4012	426	Jazz Performance 6	JAZZ3011	417
Japanese Honours C	JPNS4013	426	Jazz Performance 6	JAZZ3606	417
Japanese Honours D	JPNS4014	426	Jazz Performance 7	JAZZ4010	419
Japanese Law	LAWS3076	454	Jazz Performance 7	JAZZ4607	420
Japanese Literature	JPNS2670	424	Jazz Performance 7 (Advanced)	JAZZ4707	420
Japanese Media Culture and New Japan	JPNS2672	424	Jazz Performance 8	JAZZ4012	419
Japanese Society	JPNS3673	425	Jazz Performance 8	JAZZ4608	420
Jazz Advanced Arranging 1	JAZZ2008	412	Jazz Performance 8 (Advanced)	JAZZ4708	420
Jazz Advanced Arranging 2	JAZZ2009	412	Jazz Piano 1	JAZZ1025	409
Jazz Counterpoint 1	JAZZ1013	407	Jazz Piano 2	JAZZ1026	409
Jazz Counterpoint 2	JAZZ1014	408	Jazz Piano 3	JAZZ2022	413
Jazz Ear Training 1	JAZZ1015	408	Jazz Piano 4	JAZZ2023	413
Jazz Ear Training 2	JAZZ1016	408	Jazz Small Ensemble 1	JAZZ1029	409
Jazz Ear Training 3	JAZZ2038	413	Jazz Small Ensemble 2	JAZZ1030	409
Jazz Ear Training 4	JAZZ2039	413	Jazz Small Ensemble 3	JAZZ2026	413
Jazz Ensemble 1	JAZZ1611	409	Jazz Small Ensemble 4	JAZZ2027	413
Jazz Ensemble 2	JAZZ1612	410	Jazz Small Ensemble 5	JAZZ3012	417
Jazz Ensemble 3	JAZZ2613	414	Jazz Small Ensemble 6	JAZZ3013	417
Jazz Ensemble 4	JAZZ2614	414	Jazz Small Ensemble 7	JAZZ4014	419
Jazz Ensemble 5	JAZZ3615	418	Jazz Small Ensemble 8	JAZZ4015	420
Jazz Ensemble 6	JAZZ3616	418	Jazz Transcription and Analysis 1	JAZZ3018	417
Jazz Ensemble 7	JAZZ4617	420	Jazz Transcription and Analysis 2	JAZZ3019	417
Jazz Ensemble 8	JAZZ4618	420	Jazz Vocal (Minor) 3	VSAO2057	730
Jazz Harmony and Arranging 1	JAZZ1019	408	Jazz Vocal (Minor) 4	VSAO2058	730
Jazz Harmony and Arranging 2	JAZZ1020	408	Jazz Vocal (Minor) 5	VSAO3057	734
Jazz Harmony and Arranging 3	JAZZ2016	412	Jazz Vocal (Minor) 6	VSAO3058	734
Jazz Harmony and Arranging 4	JAZZ2017	412	Jazz Vocal 1	JAZZ1631	410
Jazz History 3	JAZZ2018	412	Jazz Vocal 2	JAZZ1632	410
Jazz History 4	JAZZ2019	412	Jazz Vocal 3	JAZZ2633	415
Jazz History A	JAZZ1021	408	Jazz Vocal 4	JAZZ2634	415
Jazz History B	JAZZ1022	408	Jazz Vocal 5	JAZZ3635	418
Jazz History C	JAZZ2618	414	Jazz Vocal 6	JAZZ3636	418
Jazz History D	JAZZ2619	414	Jazz Vocal Workshop 1	JAZZ2030	413
Jazz Improvisation 1	JAZZ1006	407	Jazz Vocal Workshop 2	JAZZ2031	413
Jazz Improvisation 2	JAZZ1007	407	Jessup International Law Moot	LAWS3035	451
Jazz Improvisation 3	JAZZ2006	411	Jessup International Law Moot	LAWS3093	456
Jazz Improvisation 4	JAZZ2007	411	Jewellery & Object Elective Advanced	MSTD8131	537
Jazz Improvisation 5	JAZZ3006	416	Jewellery & Object Elective Intermediate	MSTD7321	534
Jazz Improvisation 6	JAZZ3007	416	Jewellery & Object Elective Introductory	MSTD7311	534
Jazz Improvisation 7	JAZZ4006	419	Jewellery and Object C	MSTD2231	521
Jazz Improvisation 8	JAZZ4007	419	Jewellery and Object C	MSTD2531	525
Jazz Music Skills 1	JAZZ1621	410	Jewellery and Object C Studio Extension	CAEX2003	123
Jazz Music Skills 2	JAZZ1622	410	Jewellery and Object D	MSTD2232	522
Jazz Music Skills 3	JAZZ2623	415	Jewellery and Object D	MSTD2532	525
Jazz Music Skills 4	JAZZ2624	415	Jewellery and Object D Studio Extension	CAEX2011	124
Jazz Pedagogy	JAZZ1661	410	Jewellery and Object E	MSTD3131	528
Jazz Performance 1	JAZZ1601	409	Jewellery and Object E	MSTD3531	531
Jazz Performance 2	JAZZ1602	409	Jewellery and Object E Studio Extension	CAEX3003	125
Jazz Performance 3	JAZZ2020	412	Jewellery and Object F	MSTD3132	528
Jazz Performance 3	JAZZ2603	414	Jewellery and Object F	MSTD3532	531
Jazz Performance 3 (Advanced)	JAZZ2703	415	Jewellery and Object F Studio Extension	CAEX3011	126
Jazz Performance 4	JAZZ2021	413	Jewish Apocalyptic Literature	BBCL2606	85
Jazz Performance 4	JAZZ2604	414	Jewish Civilisation Exchange	JCTC2811	422

Jewish Civilisation Exchange	JCTC2812	422	Korean Studies Exchange	KRNS2815	437
Jewish Civilisation Exchange	JCTC2813	422			
Jewish Civilisation Exchange	JCTC2814	422	<b>L</b>		
Jewish Civilisation Exchange	JCTC2816	422	Laboratory Methods	ARCA2601	44
Jewish Civilization Exchange	JCTC1801	421	Labour Economics	ECOS3008	221
Jewish Civilization Exchange	JCTC2815	422	Labour Law	WORK2207	755
Jewish Settlement Outside Palestine	JCTC1002	421	Lagrangian & Hamiltonian Dynamics (Adv)	MATH3977	475
Jews Under the Crescent and the Cross	JCTC2603	421	Land and Water Ecochemistry	AGCH3032	14
Joint Honours	HONS4000	366	Landscape Hydrology and Management	LWSC3006	461
Judaic Studies Honours A	JCTC4011	422	Landscape Hydrology and Management	LWSC4003	461
Judaic Studies Honours B	JCTC4012	422	Language and Social Context	LNGS1002	457
Judaic Studies Honours C	JCTC4013	422	Language Arts in Early Childhood	EDBT5550	224
Judaic Studies Honours D	JCTC4014	423	Language Impairments in Children I	CSCD2041	177
Junior French Advanced 5	FRNC1631	316	Language Impairments in Children II	CSCD2042	178
Junior French Advanced 6	FRNC1632	317	Language Impairments in Children III	CSCD3036	181
Junior French Intermediate 3	FRNC1621	316	Language Variation and Change	LNGS2612	458
Junior French Intermediate 4	FRNC1622	316	Language, Texts and Time	ENGL1007	284
Junior French Introductory 1	FRNC1611	316	Language, the Learner and the School	EDUP1002	255
Junior French Introductory 2	FRNC1612	316	Languages Curriculum 1	EDBT5611	227
Junior German 1	GRMN1111	352	Languages Curriculum 1 (Additional)	EDBT5612	227
Junior German 2	GRMN1122	352	Languages Curriculum 2	EDBT5661	230
Junior German 3	GRMN1211	352	Languages Curriculum 2 (Additional)	EDBT5662	230
Junior German 4	GRMN1222	353	Languages Curriculum 3	EDBT6611	234
Junior German 5	GRMN1311	353	Languages Curriculum 3 (Additional)	EDBT6612	234
Junior German 6	GRMN1322	353	Latin American Culture 1	SPAN2622	665
Junior Modern Greek 1	MGRK1601	500	Latin American Film and Literature	SPAN3621	666
Junior Modern Greek 2	MGRK1602	500	Latin Epic 2	LATN3602	440
Junior Modern Greek 3	MGRK1621	500	Latin Exchange	LATN1801	439
Junior Modern Greek 4	MGRK1622	501	Latin Exchange	LATN1802	439
Junior Secondary Music Education	MUED2002	540	Latin Exchange	LATN2804	440
			Latin Exchange	LATN2805	440
<b>K</b>			Latin Exchange	LATN2806	440
Kinesiology for Occupational Therapy	EXSS2015	304	Latin Exchange	LATN2810	440
Knowledge, Self and Education	KCSE4202	431	Latin Exchange	LATN2811	440
Koori Kids in School A (Special Course)	EDUP4072	259	Latin Honours A	LATN4011	440
Koori Kids in School B (Special Course)	EDUP4073	259	Latin Honours B	LATN4012	440
Korean 1	KRNS1621	436	Latin Honours C	LATN4013	441
Korean 10	KRNS1632	436	Latin Honours D	LATN4014	441
Korean 2	KRNS1622	436	Latin Imperial Poetry	LATN3603	440
Korean 3	KRNS2621	436	Latin Republican Prose	LATN3605	440
Korean 4	KRNS2622	437	Law and Commercial Transactions	LAWS3064	454
Korean 5	KRNS3621	438	Law and Contemporary Society	SLSS1003	661
Korean 6	KRNS3622	438	Law and Economics	LAWS3036	452
Korean 9	KRNS1631	436	Law and Ethics in Health Care	SNGP3010	663
Korean Exchange	KRNS1801	436	Law and Social Theory	SCLG2615	649
Korean Honours A	KRNS4011	438	Law International Exchange Elective	LAWS3040	452
Korean Honours B	KRNS4012	438	Law International Exchange Elective	LAWS3041	452
Korean Honours C	KRNS4013	438	Law International Exchange Electives	LAWS3042	452
Korean Honours D	KRNS4014	438	Law International Exchange Electives	LAWS3043	452
Korean In-Country Study A	KRNS2681	437	Law International Exchange Electives	LAWS3044	452
Korean In-Country Study B	KRNS2682	437	Law, Lawyers and Justice	LAWS1001	441
Korean Phonology	KRNS2673	437	Law, Lawyers and Justice	LAWS3002	447
Korean Studies Exchange	KRNS2811	437	Law, Lawyers and Justice	LAWS3004	448
Korean Studies Exchange	KRNS2812	437	Leadership in Organisations	WORK2222	757
Korean Studies Exchange	KRNS2813	437	Learning and Behaviour	PSYC3011	628
Korean Studies Exchange	KRNS2814	437	Learning in Outdoor Education	EDUH4052	254

Legal Aspects of Health Care	HIMT3061	364	Lute 7 (Advanced)	EMUS4737	280
Legal Ethics and the Professions	CLAW2207	159	Lute 8	EMUS4638	278
Legal Geographies	LAWS3327	457	Lute 8 (Advanced)	EMUS4738	280
Legal Perspectives and Health Care	SING4063	658			
Legal Research I	LAWS1013	442	<b>M</b>		
Legal Research I & II	LAWS1022	444	Mahler, Schoenberg and the Modern Age	MCGY3639	488
Legal Research II	LAWS1019	443	Major Development Project (Advanced)	INFO3600	393
Life Drawing	AWSS2018	74	Major Industrial Project	AMME4010	27
Life Sciences 1	USDP1011	707	Major Industrial Project	CHNG4203	142
Life Sciences 1	USDP4001	709	Making the Australian Landscape	GEOS2113	338
Life Sciences 2	USDP1021	707	Making the Australian Landscape Advanced	GEOS2913	339
Life Sciences 2	USDP4005	709	Maladaptive Behaviours/Behaviour Change	BACH2126	79
Life Sciences 3	USDP2016	707	Management Accounting A	ACCT2012	4
Life Sciences 4	USDP2026	708	Management Accounting B	ACCT3012	4
Life Sciences 5	USDP3001	708	Management Accounting Concepts	ACCT1004	4
Life Sciences 6	USDP3005	708	Management and Organisational Ethics	WORK2219	756
Life Sciences Calculus	MATH1011	464	Management Decision Sciences Honours A	ECMT4601	212
Linear Algebra	MATH1002	464	Management Decision Sciences Honours B	ECMT4602	212
Linear Algebra (Advanced)	MATH1902	466	Management Decision Sciences Honours C	ECMT4603	212
Linear Mathematics & Vector Calculus Adv	MATH2961	469	Management Decision Sciences Honours D	ECMT4604	212
Linear Mathematics and Vector Calculus	MATH2061	466	Management for Engineers	ELEC3702	264
Linguistics Exchange	LNGS1801	457	Management in Architecture	ARCH6201	47
Linguistics Exchange	LNGS2805	459	Management of Industrial Systems	CHNG3806	140
Linguistics Exchange	LNGS2806	459	Management of IT Projects and Systems	INFO3402	392
Linguistics Exchange	LNGS2809	459	Management Principles and Practice B	HIMT3056	363
Linguistics Exchange	LNGS2810	459	Management Science	ECMT2620	209
Linguistics Exchange	LNGS2811	459	Management Science Models and Methods	ECMT3610	211
Linguistics Exchange	LNGS2812	459	Management, Employees and Industrial Rel	AMME4660	30
Linguistics Honours A	LNGS4011	460	Management, Marketing and the Law	EXSS3041	308
Linguistics Honours B	LNGS4012	460	Managerial Decision Making	ECMT2630	210
Linguistics Honours C	LNGS4013	460	Managerial Firms: Evolution & Attributes	ECOS2306	219
Linguistics Honours D	LNGS4014	460	Managing Agro-Ecosystems	AGRO3004	19
Linguistics Research Issues	LNGS3699	460	Managing an Early Childhood Community	EDBT5553	225
Linkages Across the Curriculum K-6	EDBT6533	233	Managing BIS Projects	INFS3060	395
Literature and Cinema	ENGL2638	285	Managing Human Resources	HIMT3062	364
Literature and Theatre	FRNC2615	317	Managing Information & Knowledge Assets	INFS2010	394
Literature of Second Temple Judaism	BBCL2605	85	Managing Knowledge Work	WORK2220	756
Litigation	LAWS2006	444	Managing Occupational Therapy Services	SING4055	658
Livestock Production Systems	AGRO4005	20	Managing Resources in Health Services	SING4065	659
Living in Colonial Australia	HSTY2619	380	Manufacturing Engineering	MECH3660	494
Living Systems	BIOL1002	92	Maps, Time and Visualisation	ARCA2606	44
Living Systems (Advanced)	BIOL1902	93	Marine Biology	BIOL3013	97
Living: Modern British Social History	HSTY2680	382	Marine Biology (Advanced)	BIOL3913	100
Locke and Empiricism	PHIL2605	591	Marine Field Ecology	BIOL3008	96
Logic and Foundations	MATH3065	471	Marine Field Ecology (Advanced)	BIOL3908	99
Love and Desire in Early Modern England	ENGL2658	286	Marine Science Exchange	MARS2551	463
Lu Xun and China's Modern Literature	CHNS3633	148	Marine Science Exchange	MARS2552	463
Lute 1	EMUS1631	269	Marine Science Exchange	MARS2553	463
Lute 2	EMUS1632	270	Marine Science Exchange	MARS3551	463
Lute 3	EMUS2633	272	Marine Science Exchange	MARS3552	463
Lute 3 (Advanced)	EMUS2733	274	Marine Science Exchange	MARS3553	463
Lute 4	EMUS2634	272	Marine Science Exchange	MARS3554	463
Lute 4 (Advanced)	EMUS2734	275	Marine Sciences Honours A	MARS4011	463
Lute 5	EMUS3635	276	Marine Sciences Honours B	MARS4012	463
Lute 6	EMUS3636	276	Marine Sciences Honours C	MARS4013	463
Lute 7	EMUS4637	278	Marine Sciences Honours D	MARS4014	464

Market and Price Analysis	AGEC2101	15	Mathematics Education 3	EDUP4074	259
Marketing Channels and Logistics	MKTG2010	507	Mathematics Exchange	MATH1551	465
Marketing Communications	MKTG3112	508	Mathematics Exchange	MATH1552	465
Marketing Exchange	MKTG1551	507	Mathematics Exchange	MATH1553	465
Marketing Exchange	MKTG1552	507	Mathematics Exchange	MATH2551	468
Marketing Exchange	MKTG2551	508	Mathematics Exchange	MATH2552	468
Marketing Exchange	MKTG2552	508	Mathematics Exchange	MATH2553	468
Marketing Exchange	MKTG3551	509	Mathematics Exchange	MATH2554	468
Marketing Exchange	MKTG3552	509	Mathematics Exchange	MATH2555	468
Marketing Exchange	MKTG3553	509	Mathematics Exchange	MATH2556	468
Marketing Exchange	MKTG3554	509	Mathematics Exchange	MATH2557	468
Marketing Exchange	MKTG3555	509	Mathematics Exchange	MATH2558	468
Marketing Extension	MKTG9001	510	Mathematics Exchange	MATH2559	468
Marketing Extension	MKTG9002	510	Mathematics Exchange	MATH2560	468
Marketing Extension	MKTG9003	510	Mathematics Exchange	MATH2561	469
Marketing Extension	MKTG9004	510	Mathematics Exchange	MATH3551	471
Marketing Honours A	MKTG4101	509	Mathematics Exchange	MATH3552	472
Marketing Honours B	MKTG4102	510	Mathematics Exchange	MATH3553	472
Marketing Honours C	MKTG4103	510	Mathematics Exchange	MATH3554	472
Marketing Honours D	MKTG4104	510	Mathematics Exchange	MATH3555	472
Marketing Principles	MKTG1001	507	Mathematics Exchange	MATH3556	472
Marketing Research 1	MKTG1002	507	Mathematics Exchange	MATH3561	472
Marketing Strategy and Planning	MKTG3118	508	Mathematics Exchange	MATH3562	472
Masculinities and Men's Health Nursing	CLIN3004	161	Mathematics Exchange	MATH3563	472
Mass Media in East Asia	ASNS2670	65	Mathematics Exchange	MATH3564	472
Material & Energy Transformations Intro	CHNG1103	136	Mathematics Exchange	MATH3565	472
Material Culture	ARNE2691	58	Mathematics Exchange	MATH3566	473
Materials	CIVL2110	150	Mathematics Exchange	MATH3567	473
Materials 1	AMME2302	27	Mathematics Exchange	MATH3568	473
Materials 2	MECH3362	493	Mathematics Exchange	MATH3569	473
Materials Chemistry	CHEM3112	132	Mathematics Exchange	MATH3570	473
Materials Chemistry (Adv)	CHEM3912	134	Mathematics Exchange	MATH3571	473
Materials Purification and Recovery	CHNG2806	138	Mathematics Exchange	MATH3572	473
Math Computing & Nonlinear Systems (Adv)	MATH2963	469	Mathematics in Early Childhood	EDBT5551	224
Math Computing and Nonlinear Systems	MATH2063	467	Mathematics Workshop B	AHCD1064	22
Mathematical Computing	MATH3076	471	Maths Workshop A	AHCD1058	22
Mathematical Computing (Advanced)	MATH3976	475	Matrix Algebra and Linear Models	BIOM4003	102
Mathematical Economics A	ECOS2903	219	Measure Theory & Fourier Analysis (Adv)	MATH3969	474
Mathematical Statistics (STABEX)	STAT4205	671	Mechanical Construction	MECH1400	492
Mathematical Statistics (STABEX)	STAT4206	672	Mechanical Design 1	MECH2400	492
Mathematical Statistics Honours A	STAT4201	671	Mechanical Design 2	MECH3460	493
Mathematical Statistics Honours B	STAT4202	671	Mechanical Design 3	MECH4460	495
Mathematical Statistics Honours C	STAT4203	671	Mechanics of Solids	AMME2301	26
Mathematical Statistics Honours D	STAT4204	671	Mechanics of Solids 2	MECH3361	493
Mathematics (Special Studies Program) A	MATH1906	466	Mechatronics 1	MTRX1702	538
Mathematics (Special Studies Program) B	MATH1907	466	Mechatronics 2	MTRX2700	539
Mathematics 1 K-6	EDBT5532	224	Mechatronics 3	MTRX3700	539
Mathematics 1: Exploring Early Number	EDUP2005	255	Mechatronics Engineering Introductory	MTRX1701	538
Mathematics 2 K-6	EDBT6532	233	Media and Communications Exchange	MECO2805	498
Mathematics 2: Space and Measurement	EDUP3004	256	Media and Communications Exchange	MECO2806	498
Mathematics Curriculum 1	EDBT5613	227	Media and Communications Exchange	MECO2807	498
Mathematics Curriculum 1 (Extension)	EDBT5614	227	Media and Communications Exchange	MECO2808	498
Mathematics Curriculum 2	EDBT5663	230	Media and Communications Internship	MECO3671	499
Mathematics Curriculum 2 (Extension)	EDBT5664	230	Media Discourse	LNGS3692	460
Mathematics Curriculum 3	EDBT6613	234	Media Globalisation	MECO3605	499
Mathematics Curriculum 3 (Extension)	EDBT6614	234	Media in Contemporary Society	SCLG2606	648

Media Law	LAWS3059	453	Microbiology Exchange	MICR2551	504
Media Relations	MECO2603	497	Microbiology Exchange	MICR2552	504
Media, Law and Ethics	MECO3603	498	Microbiology Exchange	MICR2553	504
Medical and Applied Virology	VIRO3002	724	Microbiology Exchange	MICR2554	504
Medical and Metabolic Biochemistry	BCHM3082	88	Microbiology Exchange	MICR3551	505
Medical and Metabolic Biochemistry (Adv)	BCHM3982	90	Microbiology Exchange	MICR3552	505
Medical Anthropology	ANTH2627	40	Microbiology Exchange	MICR3553	506
Medical Aspects of Disability	REHB3044	633	Microbiology Exchange	MICR3554	506
Medical Law	LAWS3046	452	Microbiology Exchange	MICR3555	506
Medical Radiation Physics	MRTY1031	512	Microbiology for Pharmacy	PHAR2615	580
Medical Radiation Project	MRTY3102	516	Microbiology Honours A	MICR4011	506
Medical Radiation Science Physics	MRTY3104	516	Microbiology Honours B	MICR4012	507
Medical Science C	HIMT3054	363	Microbiology Honours C	MICR4013	507
Medical Science Exchange	BMED2551	110	Microbiology Honours D	MICR4014	507
Medical Science Exchange	BMED2552	110	Microscopy & Histochemistry Practical	HSTO3002	378
Medical Science Exchange	BMED2553	110	Microscopy & Histochemistry Theory	HSTO3001	378
Medical Science Exchange	BMED2554	110	Middle Welsh 1	CLST2604	163
Medical Science Exchange	BMED2555	110	Middle Welsh 2	CLST2603	163
Medical Science Exchange	BMED2556	110	Migration Law	LAWS3045	452
Medicinal Chemistry 2A	PHAR2609	580	Mind and Morality HSC	PHIL1016	590
Medicinal Chemistry 2B	PHAR2618	581	Minoans and Mycenaens	ARCA2610	44
Medicinal Chemistry 3A	PHAR3609	582	Minor Thesis/Practice Project	ASSN3004	67
Medicinal Chemistry 3B	PHAR3610	582	Minor Thesis/Practice Project	NURS3004	552
Medicine Preliminary	MEDF4005	500	Minor Thesis/Practice Project	SNGP3004	662
Medicine Year Four	GDMP3102	328	Mixed Media	AWSS2019	74
Medicine Year Three	GDMP3101	328	Modern and Contemporary Asian Art	ARHT2640	50
Medico-Legal and Forensic Criminology	SLSS2603	661	Modern Australian Art and Cinema	ARHT2632	49
Medieval Cosmology	MDST2610	491	Modern Cinema: Modes of Viewing	ARHT2655	50
Medieval Literary and Artistic Modes	MDST2607	491	Modern European History 1750-1914	HSTY1045	379
Medieval Studies Honours A	MDST4011	491	Modern Greek Exchange	MGRK2811	502
Medieval Studies Honours B	MDST4012	491	Modern Greek Exchange	MGRK2812	502
Medieval Studies Honours C	MDST4013	491	Modern Greek Exchange	MGRK2813	502
Medieval Studies Honours D	MDST4014	491	Modern Greek Exchange	MGRK2814	502
Meeting the Needs of Cultural Diversity	EDSE5010	244	Modern Greek Exchange	MGRK2815	502
Membranes, Self Assembly & Surfaces(Adv)	CHEM3916	135	Modern Greek Honours A	MGRK4011	503
Membranes, Self Assembly and Surfaces	CHEM3116	133	Modern Greek Honours B	MGRK4012	503
Mental Health Interventions	OCCP4075	561	Modern Greek Honours C	MGRK4013	503
Mentoring in Educational Contexts	EDUF3028	248	Modern Greek Honours D	MGRK4014	503
Mergers and Acquisitions	FINC3013	314	Modern Greek In-Country Study 1	MGRK3841	503
Metabolic Epidemiology	BACH4073	84	Modern Irish Linguistics	CLST2607	163
Metal Complexes: Medic. & Mater. (Adv)	CHEM3914	135	Modern Japanese Social History	ASNS2632	63
Metal Complexes: Medicine and Materials	CHEM3114	132	Modern Korea	ASNS2642	64
Methods in Nutrition Practice	NUTR3921	553	Modern Rhetoric	ENGL2652	285
Metric Spaces (Advanced)	MATH3961	473	Modern Times: Art and Film	ARHT1002	48
Mgmnt of People, Quality and Risk in PE	CIVL4810	157	Modernity in Asia	ASNS1602	62
Microbes and Body Defences	BMED2807	112	Modernity in Crisis	PHIL2632	592
Microbes in Infection	MICR3011	505	Modules and Group Representations (Adv)	MATH3966	474
Microbes in Infection (Advanced)	MICR3911	506	Mol Biology & Biochemistry- Proteins	BCHM3081	87
Microbes in Society	MICR2022	503	Mol Biology & Biochemistry- Proteins Adv	BCHM3981	89
Microbes in Society (Advanced)	MICR2922	504	Mol. Spectroscopy & Quantum Theory (Adv)	CHEM3917	135
Microbes in the Environment	MICR2024	504	Molecular and Cellular Immunology	IMMU3102	389
Microbial Biotechnology	MICR3022	505	Molecular Basis of Medical Sciences	BMED2802	111
Microbial Biotechnology (Advanced)	MICR3922	506	Molecular Biology & Biochem- Genes (Adv)	BCHM3971	89
Microbial Life	MICR2021	503	Molecular Biology & Biochemistry- Genes	BCHM3071	87
Microbial Life (Advanced)	MICR2921	504	Molecular Biology & Genetics Seminar A	MBLG1999	477
Microbiology and Infection	PHAR2812	581	Molecular Biology & Genetics Seminar B	MBLG3999	479

Molecular Biology and Genetics (Adv)	MBLG1901	476	MR Theory	MRTY3118	519
Molecular Biology and Genetics (Intro)	MBLG1001	476	Multicultural Learning and Teaching	EDUF3035	249
Molecular Biology and Genetics A	MBLG2071	477	Multicultural Studies in Music Education	MUED4004	542
Molecular Biology and Genetics A (Adv)	MBLG2971	478	Muscle Mechanics	EXSS1028	303
Molecular Biology and Genetics B	MBLG2072	477	Muscle Mechanics and Training	EXSS1029	304
Molecular Biology and Genetics B (Adv)	MBLG2972	478	Musculoskeletal Anatomy	ANAT3008	34
Molecular Biology and Genetics Exchange	MBLG1551	476	Musculoskeletal Physiotherapy A	PHTY2050	600
Molecular Biology and Genetics Exchange	MBLG2551	477	Musculoskeletal Physiotherapy B	PHTY2051	600
Molecular Biology and Genetics Exchange	MBLG2552	478	Musculoskeletal Physiotherapy C	PHTY3053	601
Molecular Biology and Genetics Exchange	MBLG2553	478	Musculoskeletal Physiotherapy D	PHTY3054	601
Molecular Biology and Genetics Exchange	MBLG2554	478	Musculoskeletal Physiotherapy E	PHTY4092	602
Molecular Biology and Genetics Exchange	MBLG2555	478	Music and Gender	MUSC2690	546
Molecular Biology and Genetics Exchange	MBLG2556	478	Music Business Skills	JAZZ3631	418
Molecular Biology and Genetics Exchange	MBLG3552	478	Music Curriculum 1	EDBT5615	227
Molecular Biology and Genetics Exchange	MBLG3553	478	Music Curriculum 1 (Extension)	EDBT5616	228
Molecular Biology and Genetics Exchange	MBLG3554	479	Music Curriculum 2	EDBT5665	230
Molecular Biology and Genetics Exchange	MBLG3555	479	Music Curriculum 2 (Extension)	EDBT5666	230
Molecular Biology and Genetics Exchange	MBLG3556	479	Music Curriculum 3	EDBT6615	235
Molecular Biology of Pathogens	MICR3012	505	Music Curriculum 3 (Extension)	EDBT6616	235
Molecular Biology of Pathogens (Adv)	MICR3912	506	Music Education Hons 3: Special Study 1	MUED4012	542
Molecular Biotechnology 2	MOBT2102	510	Music Education Hons 4: Special Study 2	MUED4020	543
Molecular Biotechnology 3A	MOBT3101	511	Music Exchange	MUSC2810	546
Molecular Biotechnology 3B Project	MOBT3202	511	Music Exchange	MUSC2812	547
Molecular Biotechnology Exchange	MOBT2551	510	Music Exchange	MUSC2813	547
Molecular Biotechnology Exchange	MOBT2552	511	Music from the Middle Ages to Baroque	MCGY2611	484
Molecular Biotechnology Exchange	MOBT3551	511	Music History 1: Medieval & Renaissance	MCGY1013	480
Molecular Biotechnology Exchange	MOBT3552	511	Music History 2: Baroque	MCGY1014	480
Molecular Biotechnology Exchange	MOBT3553	511	Music History 3: 1751-1825	MCGY2012	482
Molecular Biotechnology Honours A	MOBT4301	511	Music History 4: 1826-1890	MCGY2013	482
Molecular Biotechnology Honours B	MOBT4302	512	Music History 5: 1890-1950	MCGY2008	482
Molecular Biotechnology Honours C	MOBT4303	512	Music History 6: Post 1950	MCGY2009	482
Molecular Biotechnology Honours D	MOBT4304	512	Music Honours A	MUSC4011	547
Molecular Genetics and Breeding	GENE4013	330	Music Honours B	MUSC4012	547
Molecular Reactivity & Spectroscopy Adv	CHEM2911	131	Music Honours C	MUSC4013	548
Molecular Reactivity & Spectroscopy SSP	CHEM2915	131	Music Honours D	MUSC4014	548
Molecular Reactivity and Spectroscopy	CHEM2401	130	Music in Modern Times	MCGY2613	484
Molecular Spectroscopy & Quantum Theory	CHEM3117	133	Music in the Classical and Romantic Eras	MCGY2612	484
Molecules and Energy	BIOS1130	103	Music in the Sixties	MUSC2622	544
Monetary Economics	ECOS3010	221	Music in Western Culture	MUSC1506	543
Monsters & Ghosts: Japanese Fantasy & SF	JPNS3676	425	Music Project 1A	PERF2610	576
Moral Psychology	PHIL2623	592	Music Project 1B	PERF2614	576
Motor Control	EXSS2016	305	Music Project 1C	PERF2618	577
Motor Control and Learning	EXSS2025	306	Music Project 1D	PERF2600	575
Motor Performance and Learning	PHTY1021	599	Music Project 2A	PERF2611	576
Motor Speech and Dysphagia	CSCD2062	180	Music Project 2B	PERF2615	577
Movement and Production 1	VSAO1631	727	Music Project 2C	PERF2619	577
Movement and Production 2	VSAO1632	727	Music Project 2D	PERF2601	576
Movement and Production 3	VSAO2633	730	Music Project 3A	PERF2612	576
Movement and Production 4	VSAO2634	731	Music Project 3B	PERF2616	577
Movement and Production 5	VSAO3635	735	Music Project 3C	PERF2620	577
Movement and Production 6	VSAO3636	735	Music Project 3D	PERF2602	576
Movement and Stagecraft 3	VSAO2008	727	Music Project 4A	PERF2613	576
Movement and Stagecraft 4	VSAO2009	727	Music Project 4B	PERF2617	577
Movement and Stagecraft 5	VSAO3006	731	Music Project 4C	PERF2621	577
Movement and Stagecraft 6	VSAO3007	731	Music Project 4D	PERF2603	576
Mozart and his Times	MUSC2686	546	Music Technology	MUED1002	540

Musical Worlds of Today	MCGY2614	484	Neurological Physiotherapy B	PHTY3052	601
Musicology	MUSC3609	547	Neuropharmacology	PCOL3022	573
Musicology 1	MCGY1601	481	Neuropharmacology (Advanced)	PCOL3922	574
Musicology 2	MCGY1602	481	Neuroscience	BIOS1171	107
Musicology 3	MCGY2603	484	Neuroscience Exchange	NEUR3551	550
Musicology 3 (Major)	MCGY2014	483	Neuroscience Exchange	NEUR3552	550
Musicology 4	MCGY2604	484	Neuroscience I	BIOS1132	104
Musicology 4 (Major)	MCGY2015	483	Neuroscience I: Communication Disorders	BIOS1166	106
Musicology 5	MCGY3605	487	Neuroscience II	BIOS1141	104
Musicology 5 (Honours)	MCGY3020	486	Neuroscience II: Communication Disorders	BIOS2062	108
Musicology 5 (Honours)	MCGY3620	488	Neuroscience: Motor Systems & Behav. Adv	NEUR3902	550
Musicology 5 (Major)	MCGY3019	485	Neuroscience: Motor Systems & Behaviour	NEUR3002	549
Musicology 5 (Minor)	MCGY3045	487	Neuroscience: Special Senses	NEUR3001	549
Musicology 6	MCGY3606	488	Neuroscience: Special Senses (Advanced)	NEUR3901	550
Musicology 6 (Honours)	MCGY3022	486	Neurosciences for Physiotherapists	BIOS2103	108
Musicology 6 (Honours)	MCGY3622	488	New Products Marketing	MKTG3114	508
Musicology 6 (Major)	MCGY3021	486	New Testament Greek and its World A	MGRK2675	502
Musicology 6 (Minor)	MCGY3046	487	New Testament Greek and its World B	MGRK2676	502
Musicology 7	MCGY4607	490	Non Western Music	MUED1004	540
Musicology 7 (Honours)	MCGY4003	489	NTMP Exchange	NTMP3551	551
Musicology 7 (Honours)	MCGY4603	490	Nuclear Medicine Physics 2	MRTY2084	513
Musicology 7 (Major)	MCGY4002	489	Nuclear Medicine Physics 3	MRTY3110	517
Musicology 7 (Minor)	MCGY4047	489	Nuclear Medicine Practice 1	MRTY1034	512
Musicology 8	MCGY4608	490	Nuclear Medicine Practice 2.1	MRTY2083	513
Musicology 8 (Honours)	MCGY4005	489	Nuclear Medicine Practice 2.2	MRTY2095	515
Musicology 8 (Honours)	MCGY4605	490	Nuclear Medicine Practice 3	MRTY3108	517
Musicology 8 (Major)	MCGY4004	489	Number Theory and Cryptography	MATH2068	467
Musicology 8 (Minor)	MCGY4048	489	Number Theory and Cryptography Advanced)	MATH2988	470
Musicology Workshop 1	MCGY1019	480	Nursing and Health Assessment	SING4087	660
Musicology Workshop 2	MCGY1020	480	Nursing Critically Ill Patients	CLIN3006	161
Musicology Workshop 3	MCGY2018	483	Nursing Fieldwork in Australia	PRDU1001	623
Musicology Workshop 4	MCGY2019	483	Nursing in Complex Clinical Situations	SING4088	661
Musicology Workshop 5	MCGY3023	486	Nursing Indigenous Australian People	CLIN4005	161
Musicology Workshop 6	MCGY3024	486	Nursing Knowledge and Health Care	SING4072	660
Myths, Legends and Heroes	ENGL2657	286	Nursing Management & Clinical Governance	ASSN3005	67
N			Nursing Management & Clinical Governance	NURS3005	552
			Nursing Management & Clinical Governance	SNGP3005	662
			Nursing, Knowledge and Practice	ASSN3009	67
			Nursing, Knowledge and Practice	CLIN3021	161
			Nursing, Knowledge and Practice	SNGP3009	662
			Nutrition and Chronic Disease	NUTR3922	553
			Nutrition for Health, Exercise & Sport	EXSS3042	308
			Nutrition Practice for Health & Exercise	EXSS3047	309
			Nutrition Research A	NUTR4101	554
			Nutrition Research B	NUTR4102	554
Nanoscience/Plasma Physics & Lab (Adv)	PHYS3954	613	Nutrition Research C	NUTR4103	554
Nanoscience/Plasma Physics & Physics Lab	PHYS3054	608	Nutrition Research D	NUTR4104	554
Nanoscience/Plasma/Thermodynamics	PHYS3055	608	Nutrition Science Exchange	NUTR2551	552
Nanoscience/Plasma/Thermodynamics (Adv)	PHYS3955	613	Nutrition, Health and Performance	EXSS2021	305
Nanoscience/Thermodynamic/Biol.Phys	PHYS3057	609	Nutritional Assessment Methods	NUTR3911	553
Nanoscience/Thermodynamic/Biol.Phys(Adv)	PHYS3957	613	Nutritional Science Honours Result	NUTR4999	554
Nanoscience/Thermodynamics & Lab	PHYS3052	608	Nutritional Science Introductory (Adv)	NUTR2912	553
Nanoscience/Thermodynamics & Lab (Adv)	PHYS3952	613	O		
Narratives of Romance and Adventure	ENGL1002	284			
National and Transnational Cinemas	ARHT2656	51			
Nationalism	HSTY2659	381			
Natural Hazards: a GIS Approach	GEOS2111	337			
Natural Hazards: a GIS Approach Advanced	GEOS2911	339			
Near Eastern Ancient Civilisations	ARCA2608	44			
Neurobiology Support	AHCD1019	21			
Neurogenics I	CSCD2047	178			
Neurogenics II	CSCD3023	180			
Neurological Eye Movement Disorders	ORTH4020	568	Object Design	AWSS2020	74
Neurological Physiotherapy A	PHTY2049	600	Object Oriented Application Frameworks	ELEC5619	268

Object Oriented Design	INFO3220	392	Opera Italian 6	VSAO3042	733
Oboe 1	WIND1641	739	Opera Repertoire 1	VSAO1016	725
Oboe 2	WIND1642	740	Opera Repertoire 2	VSAO2014	727
Oboe 3	WIND2643	743	Opera Repertoire 3	VSAO2015	728
Oboe 3 (Advanced)	WIND2743	744	Opera Repertoire 4	VSAO3012	732
Oboe 3 (Major)	WIND2008	741	Opera Repertoire 5	VSAO3313	734
Oboe 4	WIND2644	743	Opera Repertoire 6	VSAO3314	734
Oboe 4 (Advanced)	WIND2744	744	Opera Voice 1	VSAO1014	725
Oboe 4 (Major)	WIND2009	741	Opera Voice 2	VSAO1015	725
Oboe 5	WIND3645	748	Opera Voice 3	VSAO2012	727
Oboe 5 (Major)	WIND3008	745	Opera Voice 4	VSAO2013	727
Oboe 5 (Minor)	WIND3030	747	Opera Voice 5	VSAO3010	731
Oboe 6	WIND3646	749	Opera Voice 6	VSAO3011	732
Oboe 6 (Major)	WIND3009	745	Operating Systems and Machine Principles	COMP2129	171
Oboe 6 (Minor)	WIND3031	747	Operating Systems Internals	COMP3520	172
Oboe 7	WIND4647	752	Operating/Improving Industrial Systems	CHNG3802	139
Oboe 7 (Advanced)	WIND4747	753	Operations Management	ECMT2640	210
Oboe 7 (Major)	WIND4016	750	Optics/Cond. Matter & Lab	PHYS3068	609
Oboe 7 (Minor)	WIND4040	751	Optics/Cond. Matter & Lab (Adv)	PHYS3968	614
Oboe 8	WIND4648	752	Optics/Cond. Matter/Astrophysics	PHYS3081	611
Oboe 8 (Advanced)	WIND4748	753	Optics/Cond. Matter/Astrophysics (Adv)	PHYS3981	615
Oboe 8 (Major)	WIND4018	750	Optics/Cond.Matter/High Energy Phys(Adv)	PHYS3980	614
Oboe 8 (Minor)	WIND4041	751	Optics/Cond.Matter/High Energy Physics	PHYS3080	610
Occ Therapy Theory and Process III	OCCP3032	557	Optics/High Energy Physics & Lab	PHYS3069	610
Occupational Peerformance: Healthcare 1	OCCP1099	556	Optics/High Energy Physics & Lab (Adv)	PHYS3969	614
Occupations/Roles Across the Lifespan I	OCCP1083	555	Optics/High Energy/Astrophysics	PHYS3082	611
Occupations/Roles Across the Lifespan II	OCCP2077	557	Optics/High Energy/Astrophysics (Adv)	PHYS3982	615
Ocean and Coastal Engineering	CIVL3613	153	Optimisation & Financial Mathematics Adv	MATH2970	470
Oceans, Coasts and Climate Change	GEOS2115	338	Optimisation and Financial Mathematics	MATH2070	467
Oceans, Coasts and Climate Change (Adv)	GEOS2915	340	Oral Health Clinical Practice (Intro)	ORHL1005	565
Ocular Motor Systems	BIOS3062	109	Oral Health Clinical Practice 1	ORHL1004	565
Old Irish 1	CLST2606	163	Oral Health Clinical Practice 4	ORHL3003	566
Old Irish 2	CLST2602	163	Oral Health Clinical Practice 5	ORHL3006	566
Older Adults: Acute Care	FCNU3009	311	Oral Health Clinical Practice II	ORHL2002	565
Older People in the Community	BACH3096	81	Oral Health Clinical Practice III	ORHL2003	565
Online Media	MECO3602	498	Oral Health in Society 1	ORHL3002	566
Opera Diction 1	VSAO1621	726	Oral Health in Society 2	ORHL3005	566
Opera Diction 2	VSAO1622	726	Orbital & Restrictive Conditions	ORTH3054	567
Opera Diction 3	VSAO2623	730	Orchestral Studies 1	ENSE1018	292
Opera Diction 4	VSAO2624	730	Orchestral Studies 1	ENSE1618	293
Opera Diction 5	VSAO3625	734	Orchestral Studies 2	ENSE1022	293
Opera Diction 6	VSAO3626	734	Orchestral Studies 2	ENSE1619	293
Opera Ensemble 1	VSAO1047	726	Orchestral Studies 3	ENSE2005	294
Opera Ensemble 2	VSAO1048	726	Orchestral Studies 4	ENSE2016	295
Opera Ensemble 3	VSAO2047	729	Orchestral Studies 5	ENSE3017	296
Opera Ensemble 4	VSAO2048	730	Orchestral Studies 6	ENSE3018	296
Opera Ensemble 5	VSAO3047	733	Orchestral Studies 7	ENSE4021	298
Opera Ensemble 6	VSAO3048	733	Orchestral Studies 8	ENSE4022	298
Opera French 2	VSAO1044	726	Organ 1	ORGN1601	562
Opera French 3	VSAO2043	729	Organ 2	ORGN1602	562
Opera French 4	VSAO2044	729	Organ 3	ORGN2603	562
Opera German 3	VSAO2045	729	Organ 3 (Advanced)	ORGN2703	563
Opera German 4	VSAO2046	729	Organ 3 (Major)	ORGN2004	562
Opera Italian 3	VSAO2041	729	Organ 4	ORGN2604	562
Opera Italian 4	VSAO2042	729	Organ 4 (Advanced)	ORGN2704	563
Opera Italian 5	VSAO3041	733	Organ 4 (Major)	ORGN2005	562



Organ 5	ORGN3605	563	Partial Differential Equations (Intro)	MATH2065	467
Organ 5 (Advanced)	ORGN3705	564	Partial Differential Equations Intro Adv	MATH2965	469
Organ 5 (Major)	ORGN3002	563	Particles and Surfaces	CHNG5004	144
Organ 6	ORGN3606	563	Pathogenesis of Human Disease 1	CPAT3201	175
Organ 6 (Advanced)	ORGN3706	564	Pathogenesis of Human Disease 2	CPAT3202	175
Organ 6 (Major)	ORGN3010	563	Pathophysiology A	SING4066	659
Organ 7	ORGN4607	564	Pathophysiology B	SING4067	659
Organ 7 (Advanced)	ORGN4707	564	Paths to Enlightenment	RLST1001	636
Organ 7 (Major)	ORGN4001	564	Patient and Doctor 1	GDMP1012	326
Organ 8	ORGN4608	564	Patient and Doctor 2	GDMP1022	326
Organ 8 (Advanced)	ORGN4708	565	Patient and Doctor 3	GDMP2012	327
Organ 8 (Major)	ORGN4002	564	Patient and Doctor 4	GDMP2022	327
Organ Resources 1	ORGN1008	561	Patient and Doctor 5	GDMP3013	327
Organ Resources 2	ORGN1009	561	Patient and Doctor 6	GDMP3023	328
Organ Resources 3	ORGN2008	562	Patient Management Theories/Applications	BACH3056	80
Organ Resources 4	ORGN2009	562	Patient/Client Education	SING4064	659
Organ Resources 5	ORGN3008	563	Patient-Practitioner Relationships	SING4071	659
Organ Resources 6	ORGN3003	563	PDEs and Waves	MATH3078	471
Organ Resources 7	ORGN4009	564	PDEs and Waves (Advanced)	MATH3978	475
Organ Resources 8	ORGN4010	564	PDHPE 2: Active Healthy Primary Schools	EDUP3001	256
Organic Structure and Reactivity	CHEM3111	132	PDHPE 3: The Health Promoting School	EDUP3034	257
Organic Structure and Reactivity (Adv)	CHEM3911	134	PDHPE1: Physical Activity	EDUP2004	255
Organisational Analysis and Behaviour	WORK2209	755	Pedagogy for Physical Education 1	EDUH1007	251
Organisational Communication	WORK2221	757	Pedagogy Guitar 1	STRG3010	684
Orthopaedic and Surgical Engineering	MECH4902	497	Pedagogy Pianoforte 1	KEYB3002	433
Orthoptics in Adult Practice	ORTH4021	568	Pedagogy Pianoforte 2	KEYB3003	433
Orthoptics in Neurology	ORTH3058	567	Pedagogy Strings 1	STRG3012	684
Orthoptics in Ophthalmic Practice	ORTH4022	568	Pedagogy Strings 2	STRG3013	684
Orthoptics in Paediatrics	ORTH3057	567	Pedagogy Voice 1	VSAO3014	732
OT in Learning & Co-ord Difficulties	OCCP4056	560	Pedagogy Voice 2	VSAO3015	732
OT in Occ Health, Safety & Rehab	OCCP4068	560	Pedagogy Woodwind 1	WIND3010	745
OT Theory and Process I	OCCP1082	555	Pedagogy Woodwind 2	WIND3011	745
OT Theory and Process II	OCCP2076	557	People and Organisations	WORK2218	756
Outdoor Education	EDUH2008	252	People with Intellectual Disability	OCCP4078	561
Outdoor Recreation and Education	OCCP3059	558	Perceptual Systems	PSYC3013	629
			Percussion 1	PRCN1601	620
			Percussion 2	PRCN1602	620
			Percussion 3	PRCN2603	620
			Percussion 3 (Advanced)	PRCN2703	621
			Percussion 4	PRCN2604	621
			Percussion 4 (Advanced)	PRCN2704	621
			Percussion 4 (Minor)	PRCN2005	620
			Percussion 5	PRCN3605	622
			Percussion 5 (Minor)	PRCN3005	621
			Percussion 6	PRCN3606	622
			Percussion 6 (Minor)	PRCN3006	622
			Percussion 7	PRCN4607	622
			Percussion 7 (Advanced)	PRCN4707	623
			Percussion 7 (Minor)	PRCN4007	622
			Percussion 8	PRCN4608	622
			Percussion 8 (Advanced)	PRCN4708	623
			Percussion 8 (Minor)	PRCN4008	622
			Percussion Ensemble 1	PRCN1002	619
			Percussion Ensemble 2	PRCN1003	619
			Percussion Ensemble 3	PRCN2002	620
			Percussion Ensemble 4	PRCN2003	620
<b>P</b>					
Painting	AWSS2022	74			
Painting C	MSTD2541	525			
Painting C (Major)	MSTD2241	522			
Painting C Studio Extension	CAEX2004	123			
Painting D	MSTD2542	525			
Painting D (Major)	MSTD2242	522			
Painting D Studio Extension	CAEX2012	124			
Painting E	MSTD3541	531			
Painting E (Major)	MSTD3141	528			
Painting E Studio Extension	CAEX3004	125			
Painting Elective Advanced	MSTD8141	537			
Painting Elective Intermediate	MSTD7421	535			
Painting Elective Introductory	MSTD7411	535			
Painting F	MSTD3542	531			
Painting F (Major)	MSTD3142	528			
Painting F Studio Extension	CAEX3012	126			
Palestine: Roman Rule to Islam	JCTC1001	421			
Pali A	PAL11001	571			
Pali B	PAL11002	571			

Percussion Ensemble 5	PRCN3002	621	Pharmacology Exchange	PCOL3552	573
Percussion Ensemble 6	PRCN3003	621	Pharmacology Exchange	PCOL3553	573
Percussion Ensemble 7	PRCN4005	622	Pharmacology Exchange	PCOL3554	573
Percussion Ensemble 8	PRCN4009	622	Pharmacology Exchange	PCOL3555	573
Performance Analysis	EXSS1035	304	Pharmacology for Pharmacy	PCOL2605	572
Performance Analysis and Documentation	PRFM3619	625	Pharmacology Fundamentals	PCOL2011	571
Performance Studies Exchange	PRFM1801	623	Pharmacology Honours A	PCOL4011	574
Performance Studies Exchange	PRFM2805	624	Pharmacology Honours B	PCOL4012	574
Performance Studies Exchange	PRFM2806	624	Pharmacology Honours C	PCOL4013	574
Performance Studies Exchange	PRFM2810	624	Pharmacology Honours D	PCOL4014	574
Performance Studies Exchange	PRFM2811	624	Pharmacology: Drugs and People	PCOL2012	571
Performance Studies Exchange	PRFM2812	624	Pharmacotherapeutics in Practice	PHAR4616	584
Performance Studies Honours A	PRFM4011	626	Pharmacotherapeutics in Rural Practice	PHAR4652	586
Performance Studies Honours B	PRFM4012	626	Pharmacy Management	PHAR4622	585
Performance Studies Honours C	PRFM4013	626	Pharmacy Practice	PHAR2822	582
Performance Studies Honours D	PRFM4014	626	Pharmacy Practice 2	PHAR2617	580
Perinatal and Women's Health	GDMP3107	329	Pharmacy Practice 3A	PHAR3613	583
Perinatal and Women's Health	GDMP4012	329	Pharmacy Practice 3B	PHAR3615	583
Personal and Professional Development 1	GDMP1014	326	Pharmacy Practice 3B (Rural)	PHAR3627	583
Personal and Professional Development 1	USDP1013	707	Pharmacy Practice Advanced 4A	PHAR4929	586
Personal and Professional Development 2	GDMP1024	326	Pharmacy Practice Advanced 4A - Rural	PHAR4952	587
Personal and Professional Development 2	USDP1023	707	Pharmacy Practice Advanced 4B	PHAR4932	587
Personal and Professional Development 3	GDMP2014	327	Pharmacy Practice Advanced 4B - Rural	PHAR4955	588
Personal and Professional Development 3	USDP2013	707	Philosophy and Psychiatry	PHIL2627	592
Personal and Professional Development 4	GDMP2024	327	Philosophy and Sociology of Biology	HPSC3021	368
Personal and Professional Development 4	USDP2023	708	Philosophy Exchange	PHIL1801	590
Personal and Professional Development 5	GDMP3015	328	Philosophy Exchange	PHIL2804	594
Personal and Professional Development 5	USDP3003	708	Philosophy Exchange	PHIL2805	594
Personal and Professional Development 6	GDMP3025	328	Philosophy Exchange	PHIL2806	594
Personal and Professional Development 6	USDP3007	708	Philosophy Exchange	PHIL2810	594
Personal and Professional Development 7	USDP4003	709	Philosophy Exchange	PHIL2811	594
Personal and Professional Development 8	USDP4007	709	Philosophy Exchange	PHIL2812	594
Personal Development, Health & PE K-6	EDBT5536	224	Philosophy Honours A	PHIL4011	594
Personal Taxation	LAWS3047	453	Philosophy Honours B	PHIL4012	594
Personality and Differential Psychology	PSYC2014	627	Philosophy Honours C	PHIL4013	595
Pharmaceutical Chemistry Adv 4A - Rural	PHAR4951	587	Philosophy Honours D	PHIL4014	595
Pharmaceutical Chemistry Adv 4B - Rural	PHAR4954	588	Philosophy of Law	PHIL2645	593
Pharmaceutical Chemistry Advanced 4A	PHAR4928	586	Philosophy of Law (Seminar)	LAWS3111	457
Pharmaceutical Chemistry Advanced 4B	PHAR4931	587	Philosophy of Mind	PHIL2643	593
Pharmaceutics Advanced 4A	PHAR4927	586	Philosophy of Modern Physics	PHIL3622	594
Pharmaceutics Advanced 4A - Rural	PHAR4950	587	Philosophy of Science	HPSC4101	370
Pharmaceutics Advanced 4B	PHAR4930	586	Phonetics	LNGS2620	458
Pharmaceutics Advanced 4B - Rural	PHAR4953	587	Phonetics II	CSCD2035	177
Pharmacokinetics and Pharmacogenetics	PHAR3630	583	Phonology	LNGS2621	458
Pharmacology 3 (Pharmacy)	PCOL3605	573	Photography 1	AWSS2023	75
Pharmacology Adv 4A - Pharmacy (Rural)	PCOL4940	575	Photography 2	AWSS2024	75
Pharmacology Adv 4B - Pharmacy (Rural)	PCOL4941	575	Photomedia C	MSTD2571	526
Pharmacology Advanced 4A (Pharmacy)	PCOL4909	574	Photomedia C (Major)	MSTD2271	523
Pharmacology Advanced 4B (Pharmacy)	PCOL4910	575	Photomedia C Studio Extension	CAEX2007	124
Pharmacology Exchange	PCOL2551	571	Photomedia D	MSTD2572	526
Pharmacology Exchange	PCOL2552	572	Photomedia D (Major)	MSTD2272	523
Pharmacology Exchange	PCOL2553	572	Photomedia D Studio Extension	CAEX2015	125
Pharmacology Exchange	PCOL2554	572	Photomedia E	MSTD3571	532
Pharmacology Exchange	PCOL2556	572	Photomedia E (Major)	MSTD3171	529
Pharmacology Exchange	PCOL2557	572	Photomedia E Studio Extension	CAEX3007	126
Pharmacology Exchange	PCOL3551	573	Photomedia Elective Advanced	MSTD8171	538

Photomedia Elective Intermediate	MSTD7721	536	Physiology Exchange	PHSI3555	598
Photomedia Elective Introductory	MSTD7711	536	Physiology for Pharmacy	PHSI2601	596
Photomedia F	MSTD3572	533	Physiology Honours A	PHSI4011	599
Photomedia F (Major)	MSTD3172	530	Physiology Honours B	PHSI4012	599
Photomedia F Studio Extension	CAEX3015	127	Physiology Honours C	PHSI4013	599
Physical Education Pedagogy 2	EDUH2009	252	Physiology Honours D	PHSI4014	599
Physical Education Pedagogy 3	EDUH3008	252	Physiotherapy for Older People	PHTY4100	603
Physical Education Pedagogy 4	EDUH3009	253	Physiotherapy in Childhood	PHTY4096	603
Physical Education Pedagogy 5	EDUH4002	253	Physiotherapy in Recreation	PHTY4098	603
Physical Pharmaceutics	PHAR1822	580	Physiotherapy in the Community	PHTY4099	603
Physical Pharmaceutics and Formulation A	PHAR2616	580	Physiotherapy in the Workplace	PHTY4097	603
Physical Pharmaceutics and Formulation B	PHAR3631	584	Physiotherapy Practicum A	PHTY3055	601
Physics 1 (Environmental & Life Science)	PHYS1004	604	Physiotherapy Practicum B	PHTY3056	602
Physics 1 (Fundamentals)	PHYS1002	604	Physiotherapy Practicum C	PHTY3057	602
Physics 1 (Regular)	PHYS1001	604	Physiotherapy Practicum D	PHTY4094	602
Physics 1 (Technological)	PHYS1003	604	Physiotherapy Practicum E	PHTY4095	602
Physics 1A (Advanced)	PHYS1901	605	Pianoforte 1	KEYB1621	432
Physics 1B (Advanced)	PHYS1902	605	Pianoforte 1 (Minor)	KEYB1013	432
Physics 2A	PHYS2011	605	Pianoforte 2	KEYB1622	432
Physics 2A (Advanced)	PHYS2911	607	Pianoforte 2 (Minor)	KEYB1014	432
Physics 2B	PHYS2012	606	Pianoforte 3	KEYB2623	433
Physics 2B (Advanced)	PHYS2912	607	Pianoforte 3 (Advanced)	KEYB2723	433
Physics 2EE	PHYS2213	606	Pianoforte 3 (Major)	KEYB2007	432
Physics Exchange	PHYS1551	605	Pianoforte 3 (Minor)	KEYB2011	432
Physics Exchange	PHYS1552	605	Pianoforte 4	KEYB2624	433
Physics Exchange	PHYS2551	606	Pianoforte 4 (Advanced)	KEYB2724	433
Physics Exchange	PHYS2552	606	Pianoforte 4 (Major)	KEYB2008	432
Physics Exchange	PHYS2553	607	Pianoforte 4 (Minor)	KEYB2012	432
Physics Exchange	PHYS2554	607	Pianoforte 5	KEYB3625	434
Physics Exchange	PHYS2555	607	Pianoforte 5 (Advanced)	KEYB3725	434
Physics Exchange	PHYS2556	607	Pianoforte 5 (Major)	KEYB3004	433
Physics Exchange	PHYS3551	611	Pianoforte 5 (Minor)	KEYB3008	433
Physics Exchange	PHYS3552	611	Pianoforte 6	KEYB3626	434
Physics Exchange	PHYS3553	611	Pianoforte 6 (Advanced)	KEYB3726	434
Physics Exchange	PHYS3554	611	Pianoforte 6 (Major)	KEYB3005	433
Physics Exchange	PHYS3555	611	Pianoforte 6 (Minor)	KEYB3009	434
Physics Exchange	PHYS3556	612	Pianoforte 7	KEYB4627	435
Physics Exchange	PHYS3557	612	Pianoforte 7 (Advanced)	KEYB4727	435
Physics Exchange	PHYS3558	612	Pianoforte 7 (Major)	KEYB4002	434
Physics Exchange	PHYS3559	612	Pianoforte 7 (Minor)	KEYB4008	434
Physics Honours A	PHYS4011	615	Pianoforte 8	KEYB4628	435
Physics Honours B	PHYS4012	615	Pianoforte 8 (Advanced)	KEYB4728	435
Physics Honours C	PHYS4013	615	Pianoforte 8 (Major)	KEYB4004	434
Physics Honours D	PHYS4014	615	Pianoforte 8 (Minor)	KEYB4009	434
Physics Support	AHCD1014	21	Pig Health and Production	VETS4223	720
Physiological Testing and Training	EXSS3040	307	Planning for the Built Environment	DESP2002	206
Physiology Exchange	PHSI2551	595	Planning for the Public Domain	DESP2001	206
Physiology Exchange	PHSI2552	595	Plant Biochem & Molecular Biology (Adv)	PLNT2901	616
Physiology Exchange	PHSI2553	595	Plant Biochemistry and Molecular Biology	PLNT2001	615
Physiology Exchange	PHSI2554	595	Plant Breeding	GENE4012	330
Physiology Exchange	PHSI2555	595	Plant Cytogenetics	GENE4011	330
Physiology Exchange	PHSI2556	596	Plant Disease	PPAT3003	618
Physiology Exchange	PHSI3551	597	Plant Form and Function	PLNT2003	616
Physiology Exchange	PHSI3552	597	Plant Form and Function (Advanced)	PLNT2903	617
Physiology Exchange	PHSI3553	597	Plant Growth and Development	PLNT3002	617
Physiology Exchange	PHSI3554	597	Plant Growth and Development (Advanced)	PLNT3902	618

Plant, Cell and Environment	PLNT3001	617	Practical Stagecraft	GENS2002	331
Plant, Cell and Environment (Advanced)	PLNT3901	618	Practicum 2	MUED3002	541
Plasma/Thermodynamics/Biol. Physics	PHYS3059	609	Practicum 3	MUED4003	542
Plasma/Thermodynamics/Biol. Physics (Adv)	PHYS3959	613	Pragmatism	PHIL3615	594
Playing Politics	PRFM3603	624	Pre-Internship Term	GDMP4025	330
Policing Crime and Society	LAWS3048	453	Preparation for Practice	MRTY1032	512
Policy Analysis	GOVT2552	348	Preparation Veterinary Practice	VETS5331	720
Political Economy Exchange	ECOP1551	215	Primary Accession Med & Surgery (UVTHS)	VETS5345	721
Political Economy Exchange	ECOP1552	215	Primary Health Care III	AHCD4035	25
Political Economy Exchange	ECOP2550	216	Primary Languages A	EDUP4007	257
Political Economy Exchange	ECOP2551	216	Primary Languages B	EDUP4008	257
Political Economy Exchange	ECOP2552	216	Principal Study (Honours) 7	PERF4002	578
Political Economy Exchange	ECOP3551	217	Principal Study (Honours) 8	PERF4003	578
Political Economy Exchange	ECOP3552	217	Principles of Animation	DECO3006	196
Political Economy Exchange	ECOP3553	217	Principles of ArchiCAD	DECO2205	193
Political Economy Extension	ECOP9001	218	Principles of AutoCAD	DECO2204	193
Political Economy Extension	ECOP9002	218	Principles of Disease	VETS2013	714
Political Economy Extension	ECOP9003	218	Principles of Exercise Science	EXSS1033	304
Political Economy Extension	ECOP9004	218	Principles of Histology	ANAT2008	32
Political Economy Honours A	ECOP4001	217	Principles of Human Body Systems A	HSBM1002	374
Political Economy Honours B	ECOP4002	218	Principles of Human Body Systems B	HSBM1003	374
Political Economy Honours C	ECOP4003	218	Principles of Media Writing	MECO1003	497
Political Economy Honours D	ECOP4004	218	Printmaking	AWSS2014	73
Political Economy Honours II	ECOP2911	216	Printmedia C	MSTD2551	525
Political Economy of Development	ECOP3014	216	Printmedia C (Major)	MSTD2251	522
Political Economy of Human Rights	ECOP3017	217	Printmedia C Studio Extension	CAEX2005	123
Political Economy of the Environment	ECOP3015	216	Printmedia D	MSTD2552	526
Politics and Cultures of US Imperialism	HSTY2667	382	Printmedia D (Major)	MSTD2252	522
Politics and Politicians in Greece	MGRK2652	502	Printmedia D Studio Extension	CAEX2013	124
Politics of International Economic Rels	GOVT2221	346	Printmedia E	MSTD3551	532
Polymer Engineering	CHNG3808	140	Printmedia E (Major)	MSTD3151	529
Polymer Engineering	MECH4320	495	Printmedia E Studio Extension	CAEX3005	125
Popular China	ASNS3618	65	Printmedia Elective Advanced	MSTD8151	537
Popular Fiction and Popular Culture	ICLS2631	387	Printmedia Elective Intermediate	MSTD7521	535
Popular Music	MUSC2654	545	Printmedia Elective Introductory	MSTD7511	535
Popular Music Studies	MUED4006	542	Printmedia F	MSTD3552	532
Popular Music: History, Place & Practice	MCGY2619	485	Printmedia F (Major)	MSTD3152	529
Population and Quantative Genetics	GENE4014	330	Printmedia F Studio Extension	CAEX3013	126
Population Health 1A	PHCR2105	589	Private International Law	LAWS3015	449
Population Health 1B	PHCR2110	589	Prob Solving & Communication in Science	COMM1001	170
Population Health 3	PHCR2111	590	Probability and Statistical Models (Adv)	STAT2911	669
Population Medicine 1	GDMP1013	326	Process Design	CHNG3801	138
Population Medicine 2	GDMP1023	326	Product Formulation and Design	CHNG3805	140
Population Medicine 3	GDMP2013	327	Production 3	VSAO3001	731
Population Medicine 4	GDMP2023	327	Production 4	VSAO3008	731
Portraits of Medieval Women	HSTY2682	383	Production 5	VSAO3023	732
Positive Approaches to Special Education	EDUF3031	249	Production 6	VSAO3024	733
Power and Money in Global Society	INGS1001	396	Production Economics	AGEC2103	16
Power Electronics and Applications	ELEC3204	262	Production Horticulture	HORT3005	366
Power Systems Analysis and Protection	ELEC5204	267	Products and Value Chains	CHNG3807	140
Power, Politics and Society	SCLG2621	649	Professional Communication and Guidance	OCCP3050	558
Practical Ethics	PHIL2617	591	Professional Communication for Engineers	CHNG1006	136
Practical Experience	AMME4100	28	Professional Development	AVBS3000	68
Practical Experience	CHNG4001	141	Professional Development 2A	PHCR2101	588
Practical Experience	CIVL4008	154	Professional Development 2B	PHCR2107	589
Practical Experience	ELEC4702	265	Professional Development IIA	CSCD2051	178

Professional Development IIB	CSCD2052	178	Professional Practice IV (Hons)	OCCP4071	560
Professional Development III	CSCD3032	180	Professional Practice IVA	ORTH4035	569
Professional Development IIIB	CSCD3052	181	Professional Practice IVA	REHB4021	635
Professional Development IVA	CSCD4027	183	Professional Practice IVB	ORTH4036	569
Professional Development IVB	CSCD4031	184	Professional Practice IVB	REHB4022	636
Professional Development IVH	CSCD4036	184	Professional Practice IVC	ORTH4037	569
Professional Elective - General	OCCP4077	561	Professional Practice IVHA	ORTH4027	568
Professional Engineering 1	ENGG1803	282	Professional Practice IVHA	REHB4024	636
Professional Engineering 2	MECH4601	496	Professional Practice IVHB	REHB4025	636
Professional Engineering and IT	ENGG1805	282	Professional Practice IVHBA	ORTH4045	569
Professional Experience	AFNR4001	12	Professional Practice IVHBB	ORTH4046	569
Professional Experience	AGRF4000	19	Professional Practice IVHBC	ORTH4047	569
Professional Experience A	EDSE3073	241	Professional Practices 1	KCDE2201	429
Professional Experience B	EDSE4043	244	Professional Practices 2	KCSE3201	430
Professional Experiences 1	EDBT5503	223	Professional Practices 3	KCSE4201	431
Professional Experiences 2	EDBT6501	232	Professional Skills	AGEC4110	18
Professional Experiences 2 (Primary)	EDUP3007	257	Professional Studies	ORTH4023	568
Professional Experiences 3 (Primary)	EDUP4079	260	Professional Studies 1 (Options)	EDBT5601	226
Professional Experiences 4 (Primary)	EDUP4017	258	Professional Studies 1 (Psychology)	EDBT5625	229
Professional Experiences in PDHPE 1	EDUH2010	252	Professional Studies 2 (Options)	EDBT5600	226
Professional Experiences in PDHPE 2	EDUH3007	252	Professional Studies 2 (Psychology)	EDBT5675	232
Professional Experiences in PDHPE 3	EDUH4048	253	Professional Studies Support (1A)	AHCD1016	21
Professional Option	CHNG4006	141	Professional Studies Support (1B)	AHCD1017	21
Professional Placement for Artists 1	CAPP2001	127	Professional Studies Support (2)	AHCD2009	23
Professional Placement for Artists 2	CAPP3001	127	Programming Languages and Paradigms	COMP3109	171
Professional Practice	EXSS3045	308	Project A	AMME3110	27
Professional Practice	PHTY2046	599	Project Appraisal	CIVL3812	154
Professional Practice	SCWK3008	656	Project B	AMME4110	28
Professional Practice 1	VETS1031	712	Project Design and Management	BIOS3063	109
Professional Practice 1A	VETS1021	712	Project Formulation	CIVL4815	157
Professional Practice 1B	VETS1017	711	Project Management	ELEC4706	266
Professional Practice 2	VETS2008	713	Project Planning and Management	ECMT3640	211
Professional Practice 3	VETS3039	716	Project Procurement and Tendering	CIVL4814	157
Professional Practice B	HIMT3058	363	Project Scope, Time and Cost Management	CIVL3805	154
Professional Practice C	HIMT4054	365	Propulsion	AERO3261	8
Professional Practice I	OCCP1094	555	Protein Biochemistry	BCHM2071	86
Professional Practice I	OCCP1100	556	Protein Biochemistry (Advanced)	BCHM2971	86
Professional Practice II	OCCP2081	557	Proteomics and Functional Genomics	BCHM3092	88
Professional Practice III	AHCD3009	23	Proteomics and Functional Genomics (Adv)	BCHM3992	90
Professional Practice IIIA	OCCP3061	558	Psychiatric Rehabilitation	REHB3040	633
Professional Practice IIIA	OCCP3067	559	Psychological and Addiction Medicine	GDMP3106	329
Professional Practice IIIA	ORTH3062	567	Psychological and Addiction Medicine	GDMP4014	329
Professional Practice IIIA	REHB3049	634	Psychological and Educational Assessment	EDSP4001	245
Professional Practice IIIB	OCCP3065	558	Psychology & Psychiatry: History & Phil	HPSC3023	369
Professional Practice IIIB	OCCP3068	559	Psychology 1001	PSYC1001	626
Professional Practice IIIB	ORTH3063	567	Psychology 1002	PSYC1002	626
Professional Practice IIIB	REHB3050	634	Psychology and Cognitive Factors (Intro)	BACH1165	78
Professional Practice IIIC	OCCP3069	559	Psychology Exchange	PSYC1551	627
Professional Practice IIID	OCCP3070	559	Psychology Exchange	PSYC1552	627
Professional Practice IIIE	OCCP3071	559	Psychology Exchange	PSYC2551	628
Professional Practice IIIF	OCCP3072	559	Psychology Exchange	PSYC2552	628
Professional Practice IIIHA	ORTH3064	568	Psychology Exchange	PSYC2553	628
Professional Practice IIIHB	ORTH3065	568	Psychology Exchange	PSYC2554	628
Professional Practice in PDHPE 1	EDUH1005	251	Psychology Exchange	PSYC2555	628
Professional Practice IV	AHCD4002	24	Psychology Exchange	PSYC2556	628
Professional Practice IV	OCCP4051	560	Psychology Exchange	PSYC2557	628

Psychology Exchange	PSYC3551	630	Radiographic Physics 3	MRTY3107	517
Psychology Exchange	PSYC3552	630	Radiographic Practice 1	MRTY1033	512
Psychology Exchange	PSYC3553	630	Radiographic Practice 2.1	MRTY2080	513
Psychology Exchange	PSYC3554	631	Radiographic Practice 2.2	MRTY2092	515
Psychology Exchange	PSYC3555	631	Radiographic Practice 3	MRTY3105	517
Psychology Exchange	PSYC3556	631	Reading and Designing Research	EDUF4044	250
Psychology Exchange	PSYC3557	631	Reading Comprehension and Text Study	GRMN2631	354
Psychology Exchange	PSYC3558	631	Reading Ethnography	ANTH3602	41
Psychology Exchange	PSYC3559	631	Reading Greek 1	GRKA2620	351
Psychology Exchange	PSYC3560	631	Reading Greek 2	GRKA2621	351
Psychology for Social Work 201	SCWK2004	655	Reading Indigenous Writing	KCSE3203	430
Psychology for Social Work 202	SCWK2005	655	Reading Latin 1	LATN2620	439
Psychology Honours A	PSYC4011	631	Reading Latin 2	LATN2621	439
Psychology Honours B	PSYC4012	631	Reading the Nation: Modern U.S. Writing	ENGL2660	286
Psychology Honours C	PSYC4013	631	Readings 1	CSCD3060	182
Psychology Honours D	PSYC4014	631	Readings II	CSCD3073	183
Psychology of Learning and Teaching	EDUF3029	248	Real and Complex Analysis (Advanced)	MATH2962	469
Psychosocial Aspects of Ageing	BACH3122	81	Real Property	LAWS2007	445
Psychosocial Health Issues	EDUH3004	252	Real Property	LAWS2017	447
PTSD and Rehabilitation	REHB3065	635	Real Time Multimedia	DECO2606	193
Public Archaeology	ARPH2616	59	Reality, Ethics and Beauty	PHIL1011	590
Public Art	AWSS2001	72	Reality, Time & Possibility: Metaphysics	PHIL2622	591
Public Finance	ECOS3011	221	Recent Topics in HPS	HPSC4104	370
Public International Economic Law (sem)	LAWS3090	456	Recital Performance	PERF3002	578
Public Law	LAWS1021	443	Recital Preparation 1	ACCP3611	1
Public Offenders: Criminality & Rehab	REHB3062	634	Recital Preparation 2	ACCP3612	2
Public Relations Management	MKTG3119	508	Recital Preparation 3	ACCP3613	2
Public Sector Management	GOVT2557	348	Recorder 1	EMUS1641	270
Pure Mathematics (STABEX)	MATH4305	475	Recorder 2	EMUS1642	270
Pure Mathematics (STABEX)	MATH4306	476	Recorder 3	EMUS2643	272
Pure Mathematics Honours A	MATH4301	475	Recorder 3 (Advanced)	EMUS2743	275
Pure Mathematics Honours B	MATH4302	475	Recorder 4	EMUS2644	272
Pure Mathematics Honours C	MATH4303	475	Recorder 4 (Advanced)	EMUS2744	275
Pure Mathematics Honours D	MATH4304	475	Recorder 5	EMUS3645	277
Qualitative Health and Social Research	BACH1147	78	Recorder 5 (Major)	WIND3014	746
Qualitative Research Methods	BACH4045	83	Recorder 6	EMUS3646	277
Qualitative Research Methods	BACH4056	84	Recorder 6 (Major)	WIND3015	746
Quantitative Health and Social Research	BACH1145	77	Recorder 7	EMUS4647	278
Quantitative Planning Methods	AGEC4108	18	Recorder 7 (Advanced)	EMUS4747	280
Quantum Mechanics & Physics Lab	PHYS3060	609	Recorder 7 (Major)	WIND4022	750
Quantum Mechanics & Physics Lab (Adv)	PHYS3960	613	Recorder 8	EMUS4648	278
Quantum Mechanics & Special Project(Adv)	PHYS3961	613	Recorder 8 (Advanced)	EMUS4748	280
Quantum/Cond Matter Physics & Lab	PHYS3062	609	Recorder 8 (Major)	WIND4024	750
Quantum/Cond Matter Physics & Lab (Adv)	PHYS3962	614	Referral Medicine (UVTHS)	VETS5346	721
<b>R</b>			Regional Development & Environment (Adv)	GEOS3913	344
			Regional Development and Environment	GEOS3513	343
			Regionalisms in Europe & the Middle East	EUST2612	302
			Regression Modelling	ECMT2110	209
			Rehab of Persons with Hearing Loss	REHB3056	634
			Rehabilitation Counselling IIIA	REHB3042	633
			Rehabilitation Counselling IIIB	REHB3043	633
			Rehabilitation Counselling IV	REHB4009	635
			Rehabilitation for Vision Impairment	ORTH4024	568
			Rehabilitation in Childhood	ORTH3056	567
			Rehearsal Studies	PRFM3961	625
			Rehearsal to Performance	PRFM3962	625
	Race and Ethnic Relations	ANTH2629	40		
	Radiation Therapy Physics 2	MRTY2087	514		
	Radiation Therapy Practice 1	MRTY1035	512		
	Radiation Therapy Practice 2.1	MRTY2086	514		
	Radiation Therapy Practice 2.2	MRTY2098	516		
	Radiation Therapy Practice 3.1	MRTY3111	518		
	Radiation Therapy Practice 3.2	MRTY3113	518		
	Radio Broadcasting	MECO2601	497		
	Radiographic Interpretation of Pathology	SING4076	660		
	Radiographic Physics 2	MRTY2082	513		

Religion & Society: Conversion & Culture	HSTY2601	380	Research Project: Interpretation	BACH4083	84
Religion and the Arts	RLST2625	637	Research Proposal	ORTH3059	567
Religion and Violence, Faith and Blood	RLST2620	637	Research Report A	ORTH4028	569
Religion in Multicultural Australia	RLST2627	637	Research Report B	ORTH4030	569
Religious Studies Exchange	RLST1801	636	Research Skills	GCST4102	324
Religious Studies Exchange	RLST2804	638	Research Skills for Social Work	SCWK2006	656
Religious Studies Exchange	RLST2805	638	Research Thesis Support	BACH4080	84
Religious Studies Exchange	RLST2806	638	Researching Digital Cultures	ARIN3620	54
Religious Studies Exchange	RLST2809	638	Researching Indigenous Communities	KCDE1104	428
Religious Studies Exchange	RLST2810	638	Researching Work and Organisations	WORK3922	758
Religious Studies Honours A	RLST4011	639	Resource Class - Percussion	PRCN2006	620
Religious Studies Honours B	RLST4012	639	Resource Economics 1	RSEC1031	639
Religious Studies Honours C	RLST4013	639	Resource Economics Project A	RSEC4141	640
Religious Studies Honours D	RLST4014	639	Resource Economics Project B	RSEC4142	640
Renewable Energy	AMME4241	30	Rings, Fields and Galois Theory (Adv)	MATH3962	473
Reorientations in Australian Literature	ASLT2605	61	Rivers: Science and Management (Adv)	GEOS3918	345
Research A	FRES1001	316	Rivers: Science, Policy and Management	GEOS3018	341
Research and Practice	EXSS3036	307	Roman Law	LAWS3052	453
Research and Practice in Hort Science	HORT4005	366	Romanticism and Revolution	EUST2613	302
Research B	FRES1002	316	Romanticism and The Fantastic	MCGY3629	488
Research Elective Independent Study	OCCP4070	560	Romanticism and the Fantastic 2	MCGY3037	487
Research Exercises A	AGEC4121	18	Rotary Wing Aircraft	AERO4206	9
Research Exercises B	AGEC4122	19	Ruminant Health and Production	VETS4224	720
Research Honours A	EDUF4005	249	Rural Environmental Chemistry	AGCH2003	13
Research Honours B	EDUF4006	250	Rural Mixed Practice 1 (UVCC)	VETS5336	721
Research in Medical Radiation Sciences	MRTY3099	516	Rural Mixed Practice 2 (Extramural)	VETS5337	721
Research in Nursing	FCHN3013	311	Rural Mixed Practice Extramural	VETS5357	723
Research in Political Economy	ECOP3912	217	Rural Mixed Practice Intramural	VETS5356	723
Research Issues in Ancient Greek Studies	ANHS3610	36	Rural Public Practice	VETS5349	722
Research Issues in Roman Studies	ANHS3611	36	Rural Public Practice Extramural	VETS5358	723
Research Methods	AGEC3104	17	Russian Music History	MCGY2620	485
Research Methods for Health Sciences	BACH2140	79			
Research Methods in French Studies	FRNC2666	318	<b>S</b>		
Research Methods in Health	HSBH3006	373	Samurai and Merchants: Tokugawa Japan	ASNS2634	63
Research Methods Support (1)	AHCD1015	21	Sanskrit Advanced 1	SANS3601	641
Research Methods Support (2B)	AHCD2011	23	Sanskrit Advanced 2	SANS3602	641
Research Methods: Design	SING4068	659	Sanskrit Intermediate 1	SANS2601	641
Research Methods: Analysis	SING4069	659	Sanskrit Intermediate 2	SANS2602	641
Research Paper B	THAP4242	706	Sanskrit Introductory 1	SANS1001	641
Research Project 1	BACH4078	84	Sanskrit Introductory 2	SANS1002	641
Research Project 2	BACH4079	84	Sanskrit IV Honours A	SANS4001	641
Research Project A	AFNR4101	12	Sanskrit IV Honours B	SANS4002	642
Research Project A	AGEC4112	18	Sanskrit IV Honours C	SANS4003	642
Research Project A1	AVBS4015	71	Sanskrit IV Honours D	SANS4004	642
Research Project A2	AVBS4016	72	Sanskrit Research Preparation 2	SANS3612	641
Research Project A3	AVBS4017	72	Saxophone 1	WIND1661	740
Research Project A4	AVBS4018	72	Saxophone 2	WIND1662	740
Research Project B	AFNR4102	13	Saxophone 3	WIND2663	743
Research Project B	AGEC4113	18	Saxophone 3 (Advanced)	WIND2763	744
Research Project B1	AVBS4013	71	Saxophone 3 (Major)	WIND2014	741
Research Project B2	AVBS4014	71	Saxophone 3 (Minor)	WIND2032	742
Research Project Development	BACH3126	81	Saxophone 4	WIND2664	743
Research Project I	HIMT4055	365	Saxophone 4 (Advanced)	WIND2764	744
Research Project II	HIMT4056	365	Saxophone 4 (Major)	WIND2015	741
Research Project in Leisure and Health	OCCP3052	558	Saxophone 4 (Minor)	WIND2033	742
Research Project: Data Collection	BACH4082	84	Saxophone 5	WIND3665	749

Saxophone 5 (Advanced)	WIND3765	749	Science Elective 3	SCEL2302	643
Saxophone 5 (Major)	WIND3016	746	Science Elective 4	SCEL2402	643
Saxophone 5 (Minor)	WIND3034	747	Science Elective 5	SCEL2103	642
Saxophone 6	WIND3666	749	Science Elective 6	SCEL2203	642
Saxophone 6 (Advanced)	WIND3766	749	Science Elective 7	SCEL2303	643
Saxophone 6 (Major)	WIND3017	746	Science Elective 8	SCEL2403	643
Saxophone 6 (Minor)	WIND3035	747	Science Elective 9	SCEL2104	642
Saxophone 7	WIND4667	752	Science Foundations 1	EDUF1016	246
Saxophone 7 (Advanced)	WIND4767	754	Science Foundations 2	EDUF1017	246
Saxophone 7 (Major)	WIND4026	750	Science in Early Childhood	EDBT5558	225
Saxophone 7 (Minor)	WIND4044	751	Science Practical and Laboratory Study A	SCGN3001	646
Saxophone 8	WIND4668	752	Science Practical and Laboratory Study B	SCGN3002	646
Saxophone 8 (Advanced)	WIND4768	754	Science Practical and Laboratory Study C	SCGN3003	646
Saxophone 8 (Major)	WIND4028	750	Science Talented Student Project	SCTP1831	652
Saxophone 8 (Minor)	WIND4045	751	Science Talented Student Project	SCTP1832	652
Saxophone Orchestra 1	WIND1016	739	Science Talented Student Project	SCTP1833	652
Saxophone Orchestra 2	WIND1017	739	Science Talented Student Project	SCTP1834	652
Saxophone Orchestra 3	WIND2016	741	Science Talented Student Project	SCTP1835	652
Saxophone Orchestra 4	WIND2017	741	Science Talented Student Project	SCTP1841	652
Saxophone Orchestra 5	WIND3018	746	Science Talented Student Project	SCTP1842	652
Saxophone Orchestra 6	WIND3019	746	Science Talented Student Project	SCTP1843	652
Saxophone Orchestra 7	WIND4030	750	Science Talented Student Project	SCTP1861	652
Saxophone Orchestra 8	WIND4031	750	Science Talented Student Project	SCTP1862	652
SCA Exchange	EXCH2004	303	Science Talented Student Project	SCTP1863	653
SCA Exchange	EXCH3004	303	Science Talented Student Project	SCTP1864	653
SCA Exchange	EXCH4004	303	Science Talented Student Project	SCTP1865	653
School Psychology 1	EDBT5623	228	Science Talented Student Project	SCTP1881	653
School Psychology 2	EDBT5673	231	Science Talented Student Project	SCTP1882	653
School Psychology 3	EDBT6623	236	Science Talented Student Project	SCTP1883	653
Schools and their Communities	EDBT6500	232	Science Talented Student Project	SCTP2831	653
Science & Technology (Designing/Making)	EDUP4075	259	Science Talented Student Project	SCTP2832	653
Science and Ethics	HPSC3024	369	Science Talented Student Project	SCTP2833	653
Science and Society	HPSC3022	369	Science Talented Student Project	SCTP2834	653
Science and Technology K-6	EDBT5535	224	Science Talented Student Project	SCTP2835	653
Science Curriculum 1	EDBT5617	228	Science Talented Student Project	SCTP2841	653
Science Curriculum 1 (Extension)	EDBT5618	228	Science Talented Student Project	SCTP2842	653
Science Curriculum 2	EDBT5667	231	Science Talented Student Project	SCTP2843	654
Science Curriculum 2 (Extension)	EDBT5668	231	Science Talented Student Project	SCTP2861	654
Science Curriculum 3	EDBT6617	235	Science Talented Student Project	SCTP2862	654
Science Curriculum 3 (Extension)	EDBT6618	235	Science Talented Student Project	SCTP2863	654
Science Elective 1	SCEL2102	642	Science Talented Student Project	SCTP2864	654
Science Elective 10	SCEL2204	643	Science Talented Student Project	SCTP2865	654
Science Elective 11	SCEL2304	643	Science Talented Student Project	SCTP2881	654
Science Elective 12	SCEL2404	644	Science Talented Student Project	SCTP2882	654
Science Elective 13	SCEL3102	644	Science Talented Student Project	SCTP2883	654
Science Elective 14	SCEL3202	644	Science Talented Student Project	SCTP3831	654
Science Elective 15	SCEL3302	645	Science Talented Student Project	SCTP3832	654
Science Elective 16	SCEL3402	645	Science Talented Student Project	SCTP3833	654
Science Elective 17	SCEL3103	644	Science Talented Student Project	SCTP3834	654
Science Elective 18	SCEL3203	644	Science Talented Student Project	SCTP3835	654
Science Elective 19	SCEL3303	645	Science Talented Student Project	SCTP3841	655
Science Elective 2	SCEL2202	642	Science Talented Student Project	SCTP3842	655
Science Elective 20	SCEL3403	645	Science Talented Student Project	SCTP3843	655
Science Elective 21	SCEL3104	644	Science Talented Student Project	SCTP3861	655
Science Elective 22	SCEL3204	644	Science Talented Student Project	SCTP3862	655
Science Elective 23	SCEL3304	645	Science Talented Student Project	SCTP3863	655



Science Talented Student Project	SCTP3864	655	Sex and Scandal	HSTY2629	380
Science Talented Student Project	SCTP3865	655	Sex and Sin in the Middle Ages	MDST2613	491
Science Talented Student Project	SCTP3881	655	Sex, Desire and the Sacred	RLST2635	638
Science Talented Student Project	SCTP3882	655	Sex, Violence and Transgression	GCST2604	322
Science Talented Student Project	SCTP3883	655	Sexology/Sexual Hlth: Global Perspective	HSBM4001	374
Science, Technology and Social Change	SCLG2610	648	Sexuality for Health Professionals	BIOS4035	110
Scientific Analysis of Materials	ARPH2602	59	Shakespeare	ENGL2640	285
Scientific Computing	COSC3011	174	Shakespeare as Opera	MUSC2667	546
Scientific Computing (Advanced)	COSC3911	175	Signals and Systems	ELEC2302	261
Scientific Research in Biology	BIOL4015	101	Significant Methods	MUED1006	540
Screen Printing on Paper	AWSS2026	75	Simulation & Numerical Solutions in Eng	ELEC2103	261
Sculpture	AWSS2027	75	Site Specific Art	AWSS2002	72
Sculpture C	MSTD2561	526	Skills for Teaching Health	AHCD4049	25
Sculpture C (Major)	MSTD2261	523	Small Animal Medicine and Therapeutics 1	VETS3244	718
Sculpture C Studio Extension	CAEX2006	123	Small Animal Practice (Extramural)	VETS5335	721
Sculpture D	MSTD2562	526	Small Animal Practice Extramural	VETS5359	724
Sculpture D (Major)	MSTD2262	523	Small Animal Surgery (UVTHS)	VETS5348	722
Sculpture D Studio Extension	CAEX2014	124	SMTP Elective I	SMTP3007	661
Sculpture E	MSTD3561	532	Social Activism in Southeast Asia	ASNS2663	64
Sculpture E (Major)	MSTD3161	529	Social Anthropology Exchange	ANTH1801	39
Sculpture E Studio Extension	CAEX3006	125	Social Anthropology Exchange	ANTH1802	39
Sculpture Elective Advanced	MSTD8161	538	Social Anthropology Exchange	ANTH2804	41
Sculpture Elective Intermediate	MSTD7621	535	Social Anthropology Exchange	ANTH2805	41
Sculpture Elective Introductory	MSTD7611	535	Social Anthropology Exchange	ANTH2806	41
Sculpture F	MSTD3562	532	Social Anthropology Exchange	ANTH2810	41
Sculpture F (Major)	MSTD3162	529	Social Anthropology Exchange	ANTH2811	41
Sculpture F Studio Extension	CAEX3014	127	Social Anthropology Honours A	ANTH4011	41
Self and Society	SCLG2612	649	Social Anthropology Honours B	ANTH4012	41
Self, Society and Mental Health	BACH3120	81	Social Anthropology Honours C	ANTH4013	41
Semantics and Pragmatics	LNGS3601	459	Social Anthropology Honours D	ANTH4014	41
Senior French Advanced 5	FRNC3621	319	Social Change and Politics	GOVT2331	347
Senior French Advanced 6	FRNC3622	319	Social Construction of Difference	SCLG2608	648
Senior French Advanced 7	FRNC3631	319	Social Determinants of Health	BACH1130	77
Senior French Intermediate 1	FRNC2611	317	Social Foundations of Modern Capitalism	ECOP2012	215
Senior French Intermediate 2	FRNC2612	317	Social History and Heritage Studies	HRTG3602	372
Senior French Intermediate 3	FRNC2621	318	Social Inequality in Australia	SCLG2604	647
Senior French Intermediate 4	FRNC2622	318	Social Inquiry: Research Methods	SCLG2602	647
Senior German 1	GRMN2611	353	Social Justice Law and Society	SCLG2605	647
Senior German 2	GRMN2612	353	Social Movements and Policy Making	SCLG2607	648
Senior German 3	GRMN2613	353	Social Norms/Stereotypes in Greek Cinema	MGRK2633	501
Senior German 4	GRMN2614	354	Social Perspectives on Education	EDUF2007	247
Senior German 5	GRMN2615	354	Social Pharmacy	PHAR1617	579
Senior German 6	GRMN2616	354	Social Pharmacy	PHAR1821	579
Senior German 7	GRMN2617	354	Social Psychology	PSYC3017	630
Senior German 8	GRMN2618	354	Social Sciences Internship	SSCI3601	667
Senior Italian 3	ITLN2631	402	Social Studies Curriculum 1	EDBT5619	228
Senior Italian 4	ITLN2632	402	Social Studies Curriculum 2	EDBT5669	231
Senior Italian 5	ITLN3611	403	Social Studies Curriculum 3	EDBT6619	235
Senior Italian 6	ITLN3612	403	Social Work Preliminary Honours	SCWK3009	656
Senior Italian 7	ITLN3631	403	Social Work Research Dissertation	SCWK4008	657
Senior Modern Greek 1	MGRK2601	501	Social, Political and Economic Thought 1	SSCI2601	667
Senior Modern Greek 2	MGRK2602	501	Social, Political and Economic Thought 2	SSCI2602	667
Senior Secondary Music Education	MUED3004	541	Society, Knowledge and Self	PHIL1013	590
Sensors and Signals	MECH4720	496	Sociocultural Learning - Early Childhood	EDBT5552	225
Sensory and Motor Functions	BMED2806	112	Socio-Legal Research	SLSS2601	661
Services Marketing	MKTG3117	508	Sociological Jurisprudence	JURS3001	426

Sociological Theory	SCLG2601	647	Spanish Exchange	SPAN1802	665
Sociology Exchange	SCLG1801	647	Spanish Jews in the Ottoman Empire	MUSC2680	546
Sociology Exchange	SCLG2805	650	Spanish Studies Exchange	SPAN3811	666
Sociology Exchange	SCLG2806	650	Spanish Studies Exchange	SPAN3812	666
Sociology Exchange	SCLG2809	651	Spanish Studies Exchange	SPAN3813	666
Sociology Exchange	SCLG2810	651	Spanish Studies Exchange	SPAN3814	666
Sociology Exchange	SCLG2811	651	Spanish Studies Exchange	SPAN3815	666
Sociology Exchange	SCLG2812	651	Spanish Studies Exchange	SPAN3816	666
Sociology Honours A	SCLG4011	651	Spanish Studies Exchange	SPAN3817	666
Sociology Honours B	SCLG4012	651	Spanish Studies Exchange	SPAN3818	666
Sociology Honours C	SCLG4013	651	Speaking Gamilaraay 1	KOCR2605	435
Sociology Honours D	SCLG4014	651	Special Education (A) Special Course	EDUP4009	257
Sociology of Childhood and Youth	SCLG2613	649	Special Education (B) Special Course	EDUP4010	257
Sociology of Friendship	SCLG2625	650	Special Education: An Introduction	KCSE4101	431
Sociology of Health and Illness	SCLG2603	647	Special Education: Inclusive Schools	EDBT6125	232
Sociology of Knowledge	SCLG2622	650	Special Interest Unit 1	EDBT5537	224
Sociology of Science	HPSC4103	370	Special Interest Unit 2	EDBT6537	233
Sociology of Sport	BACH3081	80	Special Investigation	BACH4084	85
Sociology of Terror	SCLG2623	650	Special Topic in Economics	ECOS3020	222
Sociology of the Aged and Ageing	BACH3082	80	Special Topics	AGEC4107	18
Sociology of Theatre	PRFM2604	624	Special Topics in International Business	IBUS4101	386
Sociology of Work	WORK2204	755	Specialised Radiographic Practice	MRTY3114	518
Sociology of Work and Organisations	SING4070	659	Speech Science	BIOS1163	106
Software Development Project	COMP3615	172	Sport and Learning in Australian Culture	EDUH4058	255
Software Quality Engineering	ELEC5618	267	Sport, Society & Social Theory	BACH3130	82
Soil Biology	PPAT4005	619	Sports Law (seminar)	LAWS3087	455
Soil Mechanics	CIVL2410	151	Sports Mechanics	EDUH1017	251
Soil Properties and Processes	SOIL2003	663	Sports Medicine	EDUH4050	254
Soil Science Honours A	SOIL4021	664	Sports, Leisure and Youth	EDUF3023	247
Soil Science Honours B	SOIL4022	664	Statistical Inference	STAT3013	669
Soil Science Honours C	SOIL4023	664	Statistical Inference Advanced	STAT3913	671
Soil Science Honours D	SOIL4024	664	Statistical Modelling	ECMT3160	211
Sound and Image	CMPN4010	169	Statistical Models	STAT2011	668
Sound Design and Sonification	DECO1013	190	Statistical Tests	STAT2012	668
Sound Design and Sonification	DECO2012	191	Statistical Tests (Advanced)	STAT2912	669
Sound Recording Advanced	CMPN2007	166	Statistics	MATH1005	464
Sound Recording Fundamentals	CMPN2006	166	Statistics & Research Methods for Psych	PSYC2012	627
Sound Synthesis	CMPN3009	167	Statistics (Advanced)	MATH1905	466
Sounds, Screens, Speakers: Music & Media	MUSC1507	543	Statistics Exchange	STAT1551	668
South Asian Popular Culture	ANTH2665	40	Statistics Exchange	STAT2551	668
Southeast Asia Transformed	ASNS2664	65	Statistics Exchange	STAT2552	668
Southeast Asian Dictators & Democracies	ASNS2662	64	Statistics Exchange	STAT2553	668
Space Engineering 1	AERO2705	7	Statistics Exchange	STAT2554	668
Space Engineering 2	AERO3760	9	Statistics Exchange	STAT2555	668
Space Engineering 3	AERO4701	11	Statistics Exchange	STAT2556	669
Space Engineering Project 1	AERO2711	7	Statistics Exchange	STAT2557	669
Space Engineering Project 2	AERO3711	9	Statistics Exchange	STAT3551	670
Space Engineering Project 3	AERO4711	11	Statistics Exchange	STAT3552	670
Space Engineering Project 4	AERO4712	12	Statistics Exchange	STAT3553	670
Spanish & Latin American Studies Hons A	SPAN4011	667	Statistics Exchange	STAT3554	670
Spanish & Latin American Studies Hons B	SPAN4012	667	Statistics Exchange	STAT3555	670
Spanish & Latin American Studies Hons C	SPAN4013	667	Statistics Exchange	STAT3556	670
Spanish & Latin American Studies Hons D	SPAN4014	667	Statistics Exchange	STAT3557	670
Spanish Civil War	HSTY2651	381	Statistics Exchange	STAT3558	670
Spanish Culture 1	SPAN2621	665	Statistics Exchange	STAT3559	670
Spanish Exchange	SPAN1801	664	Statistics Exchange	STAT3560	670

Statistics for the Natural Sciences	BIOM3006	102	Stuttering	CSCD2043	178
Steel Structures 1	CIVL3206	152	Stuttering	CSCD2058	179
Steel Structures 2	CIVL4241	155	Style and Expression	MGRK2603	501
Stochastic Processes and Time Series	STAT3011	669	Suffragettes to Cyborgs	GCST2602	322
Stochastic Processes and Time Series Adv	STAT3911	671	Supporting Business Intelligence	INFS3050	395
Stock Markets and Derivatives Law	CLAW2203	158	Surgery	GDMP3103	328
Strategic Behaviour	ECOS3012	221	Survey of Jazz History	MUED3031	541
Strategic Management	WORK2210	755	Survey Research Methods	BACH4046	83
Strings Performance Class 1	STRG1015	672	Survey Research Methods	BACH4057	84
Strings Performance Class 2	STRG1016	672	Sustainable Architectural Practice	DAAE3001	189
Strings Performance Class 3	STRG2014	676	Sustainable Cities	GEOG3521	333
Strings Performance Class 4	STRG2015	676	Sustainable Cities (Adv)	GEOG3921	334
Strings Performance Class 5	STRG3018	684	Sustainable Farming Systems	AGRO4004	20
Strings Performance Class 6	STRG3019	684	Sustainable Land and Water Management	LWSC2002	461
Strings Performance Class 7	STRG4016	690	Swallowing Impairments	CSCD3037	181
Strings Performance Class 8	STRG4017	690	Sydney Law Review	LAWS3057	453
Structural Analysis	CIVL3235	153	Syntax	LNGS2602	457
Structural Mechanics	CIVL2201	150	Synthetic Medicinal Chemistry	CHEM3115	133
Structure and Use of a Language	LNGS3605	459	Synthetic Medicinal Chemistry (Adv)	CHEM3915	135
Structure of Language	LNGS1001	457	Syriac 1	HBW2651	362
Structure, Function and Disease A	BIOS1155	105	Syriac 2	HBW2652	362
Structure, Function and Disease B	BIOS1158	105	System Dynamics and Control	AMME3500	27
Studies in Early Modern English A	ENGL3651	289	Systematics and Evolution of Plants	PLNT3003	618
Studies in Early Modern English B	ENGL3652	289	Systematics and Evolution of Plants Adv	PLNT3903	618
Studio Rehearsal 1	ENSE3021	297	Systems Analysis and Modelling	INFO2110	391
Studio Rehearsal 2	ENSE3022	297			
Studio Rehearsal 3	ENSE4023	298			
Studio Rehearsal 4	ENSE4024	298			
Studio Seminar/Research Paper A	THAP4241	706	<b>T</b>		
Studio Theory A	THAP1211	697	TAS Curriculum 1	EDBT5620	228
Studio Theory B	THAP1212	698	TAS Curriculum 1 (Extension)	EDBT5621	228
Studio Theory Fine Arts C	THAP2431	699	TAS Curriculum 2	EDBT5670	231
Studio Theory Fine Arts C	THAP2631	701	TAS Curriculum 2 (Extension)	EDBT5671	231
Studio Theory Fine Arts D	THAP2432	699	TAS Curriculum 3	EDBT6620	235
Studio Theory Fine Arts D	THAP2632	701	TAS Curriculum 3 (Extension)	EDBT6621	235
Studio Theory Fine Arts E	THAP3331	703	Tax Strategies in a Business Environment	CLAW3202	160
Studio Theory Fine Arts E	THAP3431	704	Teachers and Learners in Schools	EDBT5502	223
Studio Theory Fine Arts F	THAP3332	703	Teaching & Learning in Early Childhood 1	EDBT5626	229
Studio Theory Fine Arts F	THAP3432	705	Teaching & Learning in Early Childhood 2	EDBT5676	232
Studio Theory Media Arts C	THAP2421	699	Teaching & Learning: Presentation Skills	KCDE1102	427
Studio Theory Media Arts C	THAP2621	700	Teaching & Learning: Teaching History	KCDE2102	429
Studio Theory Media Arts D	THAP2422	699	Teaching Aboriginal Languages	KCSE3202	430
Studio Theory Media Arts D	THAP2622	700	Teaching and Learning: Curriculum	KCDE1202	428
Studio Theory Media Arts E	THAP3321	702	Teaching Children with Special Needs	EDUP4077	260
Studio Theory Media Arts E	THAP3421	704	Teaching Commerce/Economics 1	EDSE3050	238
Studio Theory Media Arts F	THAP3322	702	Teaching Commerce/Economics 2	EDSE3067	240
Studio Theory Media Arts F	THAP3422	704	Teaching Commerce/Economics 3	EDSE4033	243
Studio Theory Object Art and Design C	THAP2441	699	Teaching Computer Studies 1	EDSE3049	238
Studio Theory Object Art and Design C	THAP2641	701	Teaching Computer Studies 2	EDSE3066	240
Studio Theory Object Art and Design D	THAP2442	699	Teaching Computer Studies 3	EDSE4032	243
Studio Theory Object Art and Design D	THAP2642	702	Teaching Drama 1	EDSE3042	237
Studio Theory Object Art and Design E	THAP3341	703	Teaching Drama 2	EDSE3060	239
Studio Theory Object Art and Design E	THAP3441	705	Teaching Drama 3	EDSE4025	242
Studio Theory Object Art and Design F	THAP3342	703	Teaching English 1	EDSE3044	237
Studio Theory Object Art and Design F	THAP3442	705	Teaching English 2	EDSE3062	240
Study Skills	AHCD1006	20	Teaching English 3	EDSE4027	242
			Teaching English Internationally 1	EDGU2000	236
			Teaching English Internationally 2	EDGU3000	236

Teaching Geography 1	EDSE3041	237	The Archaeology of Society	ARPH2603	59
Teaching Geography 2	EDSE3059	239	The Art of France	ARHT2613	49
Teaching Geography 3	EDSE4024	242	The Australian Political Party System	GOVT2114	346
Teaching History 1	EDSE3040	236	The Birth of Christianity	RLST2624	637
Teaching History 2	EDSE3058	239	The Birth of Modern Science	HPSC2100	367
Teaching History 3	EDSE4023	242	The Birth of Modern Science (Advanced)	HPSC2900	368
Teaching in Multilingual Classrooms	EDBT5533	224	The Canterbury Tales	ENGL3643	288
Teaching in Multilingual Classrooms	EDUP3003	256	The City: Global Flows and Local Forms	ANTH2626	40
Teaching Languages 1A	EDSE3047	237	The Econometrics of Financial Markets	ECMT3150	211
Teaching Languages 1B	EDSE3048	238	The Ethnography of Southeast Asia	ANTH2601	39
Teaching Languages 2A	EDSE3065	240	The Eye and Vision	ORTH2059	566
Teaching Languages 2B	EDSE3071	241	The First Crusade	MDST2608	491
Teaching Languages 3A	EDSE4030	242	The History of God	RLST1002	636
Teaching Languages 3B	EDSE4031	243	The Holocaust: History and Aftermath	JCTC2606	422
Teaching Mathematics 1A	EDSE3045	237	The Legal Profession	LAWS2013	446
Teaching Mathematics 1B	EDSE3046	237	The Legend of the Holy Grail	FRNC2682	318
Teaching Mathematics 2A	EDSE3063	240	The Long Nineteenth Century A	ENGL3661	289
Teaching Mathematics 2B	EDSE3064	240	The Long Nineteenth Century B	ENGL3662	289
Teaching Mathematics 3A	EDSE4028	242	The Mediaeval Spanish Melting Pot	MUSC2621	544
Teaching Mathematics 3B	EDSE4029	242	The Middle Ages (500-1500)	HSTY1025	379
Teaching Music: Junior Secondary School	MUED3602	541	The Museum and Cultural Heritage	HRTG2602	371
Teaching Occupations and Performance	OCCP1098	556	The Other Road to Greek Modernity	MGRK2622	501
Teaching Practicum 1	EDSP3001	245	The Philosophy of Happiness	PHIL2647	593
Teaching Practicum 2	EDSP4004	245	The Quality Perspective Applied to MRT	SING4061	658
Teaching Science 1 (Core)	EDSE3051	238	The Rural Environment	AFNR1001	12
Teaching Science 2 (Core)	EDSE3068	241	The Scientific Revolution	HPSC3016	368
Teaching Science 3 (Core)	EDSE4034	243	The Secret Art of the Dramaturg	PRFM3611	625
Teaching Science 4 (Sci Hist & Phil)	EDSE4035	243	The Social Production of Space	ANTH2655	40
Teaching Science Elective (Biology)	EDSE3054	239	The Soil at Work	SOIL3010	664
Teaching Science Elective (Chemistry)	EDSE3052	238	The Soil Resource	SOIL2004	663
Teaching Science Elective (Physics)	EDSE4041	243	The Syntax of English	LNGS2622	458
Teaching Science Elective (Senior Sci)	EDSE3053	238	Theories in Political Economy	ECOP3911	217
Teaching TESOL 1	EDSE3043	237	Theories of Acting	PRFM3606	625
Teaching TESOL 2	EDSE3061	240	Theories of Art Practice A	THAP1201	697
Teaching TESOL 3	EDSE4026	242	Theories of Art Practice B	THAP1202	697
Teaching Visual Arts 1A	EDSE3037	236	Theories of Art Practice C	THAP2411	698
Teaching Visual Arts 1B	EDSE3038	236	Theories of Art Practice C	THAP2611	700
Teaching Visual Arts 2A	EDSE3056	239	Theories of Art Practice D	THAP2412	698
Teaching Visual Arts 2B	EDSE3057	239	Theories of Art Practice D	THAP2612	700
Teaching Visual Arts 3A	EDSE4021	241	Theories of Art Practice E	THAP3301	702
Teaching Visual Arts 3B	EDSE4022	241	Theories of Art Practice E	THAP3401	703
Technocultures	ARIN2600	53	Theories of Art Practice F	THAP3302	702
Technology Education (Advanced)	ENG3062	283	Theories of Art Practice F	THAP3402	703
Technology for Living	OCCP4076	561	Theories of Law (seminar)	LAWS3089	455
Technology in Music Education	MUED4002	542	Theories of Legal Reasoning	LAWS3083	455
Terrestrial Field Ecology	BIOL3009	96	Theories of Literature	MGRK3692	502
Terrestrial Field Ecology (Advanced)	BIOL3909	99	Theories of Work and Organisations	WORK3921	757
TESOL (A) Special Course	EDUP4068	258	Theory and Practice of Translation B	MGRK2605	501
TESOL (B) Special Course	EDUP4069	258	Theory in Architecture	ARCH6104	47
TESOL as a Third Teaching Area	EDSE5001	244	Theory, Method and Ethic in Research	NURS4020	552
TESOL Curriculum 1	EDBT5622	228	Therapeutic Principles	PHAR2813	581
TESOL Curriculum 2	EDBT5672	231	Theravada Buddhism	RLST2609	637
TESOL Curriculum 3	EDBT6622	235	Thermal Engineering	MECH3260	492
TESOL Professional Experience	EDSE5009	244	Thermodynamics and Fluids	AMME2200	26
The 18th Century: Scandal & Sociability	ENGL2659	286	Thermodynamics/Biol. Physics & Lab	PHYS3051	608
The Archaeology of Central Asia	ARNE2606	58	Thermodynamics/Biol. Physics & Lab (Adv)	PHYS3951	612

Thesis A	REHB4019	635	Trumpet 7 (Advanced)	BRSS4727	119
Thesis B	REHB4026	636	Trumpet 7 (Major)	BRSS4014	117
Tissue Engineering	AMME4971	31	Trumpet 8	BRSS4628	118
Topics in German Film	GRMN2633	354	Trumpet 8 (Advanced)	BRSS4728	119
Topics in Physiotherapy Management	SING4052	657	Trumpet 8 (Major)	BRSS4016	118
Topics in Power Engineering	ELEC5203	267	Truth, Meaning and Language	PHIL2621	591
Topics in Senior Physics A	PHYS3015	607	Tuba 1	BRSS1631	113
Topics in Senior Physics A (Advanced)	PHYS3915	612	Tuba 2	BRSS1632	113
Topics in Senior Physics B	PHYS3025	608	Tuba 3	BRSS2633	114
Topics in Senior Physics B (Advanced)	PHYS3925	612	Tuba 3 (Advanced)	BRSS2733	115
Torres Strait Histories and Experiences	KOCR2606	436	Tuba 3 (Major)	BRSS2010	113
Torts	LAWS1012	442	Tuba 4	BRSS2634	114
Torts	LAWS3001	447	Tuba 4 (Advanced)	BRSS2734	115
Torts and Contracts II	LAWS1017	443	Tuba 4 (Major)	BRSS2011	114
Total Patient Care 1	USDP3002	708	Tuba 5	BRSS3635	117
Total Patient Care 2	USDP3006	708	Tuba 5 (Major)	BRSS3014	116
Total Patient Care 3	USDP4002	709	Tuba 6	BRSS3636	117
Total Patient Care 4	USDP4006	709	Tuba 6 (Major)	BRSS3015	116
Total Patient Care Clinical	USDP2027	708	Tuba 7	BRSS4637	118
Toxicology	PCOL3011	572	Tuba 7 (Advanced)	BRSS4737	119
Toxicology (Advanced)	PCOL3911	574	Tuba 7 (Major)	BRSS4018	118
Trade Practices and Consumer Law	CLAW2205	159	Tuba 8	BRSS4638	118
Trading and Dealing in Security Markets	FINC3014	314	Tuba 8 (Advanced)	BRSS4738	119
Translation and Interpretation	KRNS2671	437	Tuba 8 (Major)	BRSS4020	118
Trombone 1	BRSS1611	113	Twentieth Century China	HSTY2640	381
Trombone 2	BRSS1612	113	Twentieth Century Literature: Modernism	ENGL2623	285
Trombone 3	BRSS2613	114	Twentieth Century Music Techniques	MUSC2641	545
Trombone 3 (Advanced)	BRSS2713	115	Twentieth Century Philosophy	PHIL2600	590
Trombone 4	BRSS2614	114	Twentieth Century Politics and Culture	HSTY1044	379
Trombone 4 (Advanced)	BRSS2714	115			
Trombone 5	BRSS3615	116			
Trombone 5 (Major)	BRSS3010	116	<b>U</b>		
Trombone 6	BRSS3616	117	Ultrasound for Physiotherapists	PHTY5164	604
Trombone 6 (Major)	BRSS3011	116	Understanding Design & Cognition	DECO1006	190
Trombone 7	BRSS4617	118	Understanding Occupation-People-Context	OCCP1096	556
Trombone 7 (Advanced)	BRSS4717	119	Urban Geography	GEOS2122	339
Trombone 7 (Major)	BRSS4010	117	Urban Geography (Advanced)	GEOS2922	340
Trombone 8	BRSS4618	118	US in the World	USSC2601	709
Trombone 8 (Advanced)	BRSS4718	119			
Trombone 8 (Major)	BRSS4012	117	<b>V</b>		
Tropical Wildlife Biol & Management Adv	BIOL3910	99	Varieties of English Grammar	ENGL2653	285
Tropical Wildlife Biology and Management	BIOL3010	96	Vertebrates and their Origins	BIOL2012	93
Trumpet 1	BRSS1621	113	Vertebrates and their Origins (Advanced)	BIOL2912	95
Trumpet 2	BRSS1622	113	Veterinary Anaesthesia	VETS4111	718
Trumpet 2 (Major)	BRSS1007	112	Veterinary Anatomy and Physiology 1A	VETS1014	711
Trumpet 3	BRSS2623	114	Veterinary Anatomy and Physiology 1B	VETS1020	712
Trumpet 3 (Advanced)	BRSS2723	115	Veterinary Anatomy and Physiology 1B	VETS1034	713
Trumpet 3 (Major)	BRSS2008	113	Veterinary Anatomy and Physiology 2A	VETS2011	714
Trumpet 4	BRSS2624	114	Veterinary Anatomy and Physiology 2B	VETS2016	715
Trumpet 4 (Advanced)	BRSS2724	115	Veterinary Clinical Pathology	VETS3243	717
Trumpet 4 (Major)	BRSS2009	113	Veterinary Clinical Sciences 3	VETS3027	716
Trumpet 5	BRSS3625	117	Veterinary Conservation Biology	VETS2015	715
Trumpet 5 (Major)	BRSS3012	116	Veterinary Medicine & Clinical Pathology	VETS4112	719
Trumpet 6	BRSS3626	117	Veterinary Microbiology	VETS3040	717
Trumpet 6 (Major)	BRSS3013	116	Veterinary Parasitology	VETS3041	717
Trumpet 7	BRSS4627	118	Veterinary Pathology	VETS3011	715

Veterinary Pharmacology and Toxicology	VETS3013	715	Violin 7 (Major)	STRG4022	690
Veterinary Public Health	VETS3025	716	Violin 7 (Minor)	STRG4032	691
Veterinary Radiology	VETS4113	719	Violin 8	STRG4668	693
Veterinary Research A	VETS4042	718	Violin 8 (Advanced)	STRG4768	695
Veterinary Research B	VETS4043	718	Violin 8 (Major)	STRG4024	691
Veterinary Surgery	VETS4114	719	Violin 8 (Minor)	STRG4035	691
Victorian Literature	ENGL2629	285	Violoncello 1	STRG1671	675
Video Production	MECO3601	498	Violoncello 2	STRG1672	675
Viola 1	STRG1641	674	Violoncello 3	STRG2673	680
Viola 2	STRG1642	674	Violoncello 3 (Advanced)	STRG2773	682
Viola 3	STRG2643	679	Violoncello 3 (Major)	STRG2020	677
Viola 3 (Advanced)	STRG2743	682	Violoncello 4	STRG2674	680
Viola 3 (Major)	STRG2016	677	Violoncello 4 (Advanced)	STRG2774	683
Viola 4	STRG2644	679	Violoncello 4 (Major)	STRG2021	677
Viola 4 (Advanced)	STRG2744	682	Violoncello 5	STRG3675	688
Viola 4 (Major)	STRG2017	677	Violoncello 5 (Major)	STRG3024	685
Viola 5	STRG3645	687	Violoncello 6	STRG3676	689
Viola 5 (Major)	STRG3020	685	Violoncello 6 (Major)	STRG3025	685
Viola 6	STRG3646	688	Violoncello 7	STRG4677	693
Viola 6 (Major)	STRG3021	685	Violoncello 7 (Advanced)	STRG4777	696
Viola 7	STRG4647	693	Violoncello 7 (Major)	STRG4026	691
Viola 7 (Advanced)	STRG4747	695	Violoncello 8	STRG4678	694
Viola 7 (Major)	STRG4018	690	Violoncello 8 (Advanced)	STRG4778	696
Viola 8	STRG4648	693	Violoncello 8 (Major)	STRG4028	691
Viola 8 (Advanced)	STRG4748	695	Virology	VIRO3001	724
Viola 8 (Major)	STRG4020	690	Virology (Advanced)	VIRO3901	725
Viola Da Gamba 1	EMUS1651	270	Virology Exchange	VIRO3551	725
Viola Da Gamba 2	EMUS1652	270	Virology Exchange	VIRO3552	725
Viola Da Gamba 3	EMUS2653	273	Visceral Anatomy	ANAT3007	33
Viola Da Gamba 3 (Advanced)	EMUS2753	275	Visual Literacy: Cineliteracy	KCDE2101	428
Viola Da Gamba 4	EMUS2654	273	Vocal Performance Class 1	VSAO1017	726
Viola Da Gamba 4 (Advanced)	EMUS2754	275	Vocal Performance Class 2	VSAO1018	726
Viola Da Gamba 5	EMUS3655	277	Vocal Performance Class 3	VSAO2037	728
Viola Da Gamba 6	EMUS3656	277	Vocal Performance Class 4	VSAO2038	728
Viola Da Gamba 7	EMUS4657	279	Vocal Performance Class 5	VSAO3037	733
Viola Da Gamba 7 (Advanced)	EMUS4757	280	Vocal Performance Class 6	VSAO3038	733
Viola Da Gamba 8	EMUS4658	279	Vocal Performance Class 7	VSAO4037	736
Viola Da Gamba 8 (Advanced)	EMUS4758	280	Vocal Performance Class 8	VSAO4038	736
Violence in Italy	HSTY2660	381	Vocational Rehabilitation IIIA	REHB3037	633
Violence, Imaginaries and Symbolic Power	SCLG2618	649	Vocational Rehabilitation IIIB	REHB3038	633
Violin 1	STRG1661	674	Voice 1	VSAO1611	726
Violin 2	STRG1662	675	Voice 2	VSAO1612	726
Violin 3	STRG2663	679	Voice 3	VSAO2613	730
Violin 3 (Advanced)	STRG2763	682	Voice 3 (Advanced)	VSAO2713	731
Violin 3 (Major)	STRG2018	677	Voice 3 (Major)	VSAO2020	728
Violin 4	STRG2664	680	Voice 3 (Minor)	VSAO2011	727
Violin 4 (Advanced)	STRG2764	682	Voice 4	VSAO2614	730
Violin 4 (Major)	STRG2019	677	Voice 4 (Advanced)	VSAO2714	731
Violin 5	STRG3665	688	Voice 4 (Major)	VSAO2021	728
Violin 5 (Major)	STRG3022	685	Voice 4 (Minor)	VSAO2016	728
Violin 5 (Minor)	STRG3026	685	Voice 5	VSAO3615	734
Violin 6	STRG3666	688	Voice 5 (Advanced)	VSAO3715	735
Violin 6 (Major)	STRG3023	685	Voice 5 (Major)	VSAO3018	732
Violin 6 (Minor)	STRG3027	685	Voice 5 (Minor)	VSAO3017	732
Violin 7	STRG4667	693	Voice 6	VSAO3616	734
Violin 7 (Advanced)	STRG4767	695	Voice 6 (Advanced)	VSAO3716	735

Voice 6 (Major)	VSAO3019	732
Voice 6 (Minor)	VSAO3020	732
Voice 7	VSAO4617	736
Voice 7 (Advanced)	VSAO4717	737
Voice 7 (Major)	VSAO4002	736
Voice 7 (Minor)	VSAO4000	735
Voice 8	VSAO4618	736
Voice 8 (Advanced)	VSAO4718	737
Voice 8 (Major)	VSAO4004	736
Voice 8 (Minor)	VSAO4001	735
Voice and Representation	WORK2216	756
Voice and Voice Disorders 1	CSCD2063	180
Voice Science and Disorders	CSCD2030	177
Volcanoes, Hot Rocks and Minerals	GEOS2114	338
Volcanoes, Hot Rocks and Minerals Adv	GEOS2914	339

**W**

War Law: Use of Force & Humanitarian Law	LAWS3086	455
Warm Glass Elective Advanced	CAEL3002	122
Warm Glass Elective Intermediate	CAEL2004	121
Warm Glass Elective Introductory	CAEL2003	121
Water Resources and Hydrology	CIVL4615	156
Web Art and Design	AWSS2028	75
Web Production	ARIN2610	53
Wellness	AHCD4042	25
What Is This Thing Called Science?	HPSC2101	367
What Is This Thing Called Science? (Adv)	HPSC2901	368
Wildlife and Evolutionary Genetics	AVBS4003	69
Wind Symphony 1	ENSE1017	292
Wind Symphony 2	ENSE1021	293
Wind Symphony 3	ENSE2010	295
Wind Symphony 4	ENSE2014	295
Wind Symphony 5	ENSE3009	296
Wind Symphony 6	ENSE3013	296
Wind Symphony 7	ENSE4010	297
Wind Symphony 8	ENSE4014	297
Woodwind Class 1	WIND2018	741
Woodwind Class 2	WIND2019	741
Woodwind Class 3	WIND3020	746
Woodwind Class 4	WIND3021	746
Woodwind Class 5	WIND3036	747
Woodwind Class 6	WIND3037	748
Work & Organisational Studies Exchange	WORK2551	757
Work & Organisational Studies Exchange	WORK2552	757
Work & Organisational Studies Exchange	WORK2553	757
Work & Organisational Studies Exchange	WORK2554	757
Work & Organisational Studies Exchange	WORK2555	757
Work & Organisational Studies Exchange	WORK2556	757
Work and Globalisation	WORK2223	757
Working Seminar A (SSP)	MATH2916	469
Working Seminar B (SSP)	MATH2917	469
Workplace Attachment	BACH3077	80
World Politics	GOVT1202	346
Writing History	HSTY2691	383
Writing Skills for Music Professions	MCGY3034	487

**Y**

Yiddish 1	YDDH1101	761
Yiddish 2	YDDH1102	761
Yiddish 3	YDDH2603	761
Yiddish 4	YDDH2604	761
Yiddish 5	YDDH3605	761
Yiddish 6	YDDH3606	761
Youth Cultures: Images & Ideas of Youth	GCST2612	323

