



The
University
of Sydney

'09

Education and Social Work

handbook 2009



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Acknowledgements



The Arms of the University

Sidere mens eadem mutato

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

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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
www.usyd.edu.au/calendar

Amendments

All authorised amendments to this handbook can be found at 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/index

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

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Important dates

University semester and vacation dates for 2009

Summer/Winter School lectures	Dates
Summer School – December program	Begins: Monday 8 December
Summer School – main program	Begins: Monday 5 January
Summer School – late January program	Begins: Monday 19 January
Winter School – main program	Monday 29 June to Saturday 25 July
Semester One	Dates
International student orientation (Semester 1) – STABEX	Monday 16 February and Tuesday 17 February
International student orientation (Semester 1) – full degree	Wednesday 18 February and Thursday 19 February
Lectures begin	Monday 2 March
AVCC Common Week/non-teaching Easter period	Friday 10 April to Friday 17 April
International application deadline (Semester 2) *	Thursday 30 April *
Last day of lectures	Friday 5 June
Study vacation	Monday 8 June to Friday 12 June
Examination period	Monday 15 June to Saturday 27 June
Semester ends	Saturday 27 June
AVCC Common Week/non-teaching period	Monday 6 July to Friday 10 July
Semester Two	Dates
International student orientation (Semester Two) – STABEX	Monday 20 July and Tuesday 21 July
International student orientation (Semester Two) – full degree	Wednesday 22 July and Thursday 23 July
Lectures begin	Monday 27 July
AVCC Common Week/non-teaching period	Monday 28 September to Friday 2 October
Last day of lectures	Friday 30 October
International application deadline (for Semester 1, 2010) *	Saturday 31 October *
Study vacation	Monday 2 November to Friday 6 November
Examination period	Monday 9 November to Saturday 21 November
Semester ends	Saturday 21 November

* Except for the faculties of Dentistry, Medicine and the Master of Pharmacy course. See www.acer.edu.au for details.

Last dates for withdrawal or discontinuation for 2009

Semester 1 – units of study	Dates
Last day to add a unit	Friday 13 March
Last day for withdrawal	Tuesday 31 March
Last day to discontinue without failure (DNF)	Friday 24 April
Last to discontinue (Discontinued – Fail)	Friday 5 June
Semester 2 – units of study	Dates
Last day to add a unit	Friday 7 August
Last day for withdrawal	Monday 31 August
Last day to discontinue without a failure (DNF)	Friday 11 September
Last day to discontinue (Discontinued – Fail)	Friday 30 October
Last day to withdraw from a non-standard unit of study	Census date of the unit, which cannot be earlier than 20 per cent of the way through the period of time during which the unit is undertaken.
Public holidays	Dates
Australia Day	Monday 26 January
Good Friday	Friday 10 April
Easter Monday	Monday 13 April
Anzac Day	Monday 27 April
Queen's Birthday	Monday 8 June
Labour Day	Monday 5 October



How to use this handbook

What is a handbook?

The handbook is an official publication and an essential guide for every student who studies at the University of Sydney. It is an important source of enrolment information. It can also help you with more than just planning your course of study.

As a student at the University of Sydney you need to be aware of course structures and content, who your lecturers are, as well as examination procedures.

You should also become familiar with University policies and faculty rules and regulations. The handbook will supply a lot of this information.

It will also point you to places and people around the University who can help with enquiries about library loans, child care, fees, casual employment, places to eat and stay, support groups and much more.

What new students need to know

- terminology used for courses and programs of study
- semester dates and examination periods
- important contact details
- how to plan your study program
- rules and policies on assessment, satisfactory progression, honours, and so on
- what University services are available and where to find them
- how to get around campus.

At the beginning of many of these chapters there will be explanations to help you proceed further.

Where to find information

Course terminology

University terminology, such as 'credit point', 'unit of study', and 'WAM', can be found in the **Abbreviations** and **Glossary** chapters, at the back of this handbook.

Dates

The start and finish dates of semester can be found in the front section of the handbook. Summer and Winter School dates are in the General University section at the back of the handbook.

Contents and index

The comprehensive **Contents** section at the front of the handbook explains the details you'll find within each chapter.

You'll find information like:

- how and where to contact faculty staff
- how to select your units of study and programs
- a list of degrees
- detailed information on all units of study, classified by unit identifiers (a four-alpha, four-digit code and a title)
- electives and streams
- scholarships and prizes
- information specific to faculties.

The **Index** lists units of study only. It allows you to check every reference which refers to your unit of study within the handbook. It is divided into two parts, and lists units of study alphabetically (by course name) and again by course code (alphanumeric).

Colour-coded sections

- Ivory – for undergraduate courses
- Blue – for postgraduate courses

Faculty rules and regulations

Faculty resolutions are the rules and regulations pertaining to a specific faculty. They can generally be found in their own chapter, or next to the relevant units of study.

These should be read along with the University's own *Coursework Rule 2000 (as amended)* which can be found in the **Essential information for students** chapter near the end of this book. Together they outline the agreement between student and faculty, and student and University.

General University information

This is information about the University in general, rather than information specific to the faculty. This information is at the back of the book and includes, among other things:

- University terminology and abbreviations
- campus maps to help you find your way around
- Summer and Winter School information
- international student information
- student services.

Course planner

You might like to plot the course of your degree as you read about your units of study. Use the planner at the back of this handbook.

Timetables

For information about personal timetables, centrally timetabled units of study, and venue bookings, see: www.usyd.edu.au/studentcentre/timetabling.shtml

For the session calendar, see: <http://web.timetable.usyd.edu.au/calendar.jsp>

Students with a disability

For accessible (word, pdf and html) versions of this document, see: www.usyd.edu.au/handbooks/handbooks_disability

You can find information on Disability Services in the General University information section of the handbook. The service can provide information regarding assistance with enrolment and course requirement modifications where appropriate.

For details on registering with the service and online resources, see the Disability Services website: www.usyd.edu.au/disability

Handbook updates

The information in this handbook is current at the time of publication. Further information on University policies, such as plagiarism and special consideration, can be found on the University's website, along with official handbook amendments.

www.usyd.edu.au/handbooks/handbooks_admin/updates2009

Feedback regarding this handbook is welcome.
info@publications.usyd.edu.au



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Faculty of Education and Social Work handbook

Message from the Dean



On behalf of the teaching and administrative staff I welcome you to the Faculty of Education and Social Work. Formerly a department in the Faculty of Arts, the Faculty of Education was established in 1986. In 2003, it welcomed colleagues from the Department of Social Work, Social Policy and Sociology to create the Faculty of Education and Social Work. The occupations associated with Education and Social

Work share much in common, and we are in the process of developing joint programs that involve aspects of both professions and which allow our graduates to be particularly effective in working with young people. The amalgamation has been very important in developing concepts of professional education and ways of supporting students as learners and practitioners.

As might be expected, the faculty is blessed with many excellent teachers who model best practice to their students. It also has a research-intensive culture, the output of which is important in policy development and practice in a range of professions, as well as in providing opportunities for students to learn about new issues and developments in their chosen professions.

The faculty is one of the largest of its kind in the country, and at the undergraduate level offers courses to students wishing to become teachers at the primary or secondary school levels, or who will specialise in PDHPE (Personal Development, Health and Physical Education) and, of course, Social Work. In addition to dedicated, single degrees, the faculty also offers a number of combined degree courses with other faculties in the University. A feature of both types of courses is the strong partnership developed between the faculties. In all degree courses, students have the opportunity to study in areas of their

interest in the Faculty of Arts, Science or Economics and Business. Professional experience in schools or human services agencies are important components of all degrees.

Among the features of Education courses is inclusion of units of study which help students learn how to integrate IT into their teaching practices and cater for students with special needs, as well as those who are of Indigenous heritage or who are speakers of languages other than English. In addition to specialist study in teaching subjects, students learn the latest developments in pedagogy and curriculum studies, as well as relevant aspects of the foundation disciplines of history, philosophy, psychology and sociology. Social Work at The University of Sydney is similarly regarded with the highest esteem because of the quality of education provided and the calibre of the graduates within the profession. The degrees are notable for the integration of studies of social policy with social work. Students are encouraged to take advantage of opportunities to study abroad for a semester during their course and to learn about the professional issues in a variety of cultural contexts.

At the postgraduate level, the faculty offers an innovative Master of Teaching degree to students seeking a professional teaching credential, and has a range of specialist Master of Education and Master of Social Work higher degree courses. In addition, the faculty has a large and vibrant group of postgraduate research students undertaking degrees at the master and doctoral levels.

The faculty enjoys some of the best facilities in the country and boasts good IT labs, a dance studio, art workshops, music rooms and an exercise physiology lab. The faculty maintains excellent relations with the professions, and professional experience is an important part of students' experience in the faculty. Best of all are the faculty's staff and students, who together create an exciting intellectual environment, in which it is very rewarding to participate. We are pleased that you are considering joining the Faculty of Education and Social Work at The University of Sydney and hope that we will be able to welcome you in coming months.

Professor Derrick Armstrong
Dean



1. Faculty of Education and Social Work

The Faculty of Education and Social Work – a brief history

The Faculty of Education was established in 1986, having been until then, a department in the Faculty of Arts. In 1992, the faculty amalgamated with the then Institute of Education, itself part of the Sydney College of Advanced Education. This resulted in a large increase in the number of staff and programs which were offered by the faculty. As part of the amalgamation, purpose built accommodation for the faculty was completed in 1993. This provides state-of-the-art facilities for the training of educators, including a bio-mechanics laboratory, sophisticated computer laboratories, a dance studio, visual arts facilities, a television studio and, of course, well equipped lecture and tutorial rooms. In 2003, Social Work, originally located within the Faculty of Arts, merged with the Faculty of Education to form the Faculty of Education and Social Work. The merger reflects the close association that the two disciplines share in areas of research and professional practice.

List of staff

Administration

Dean/Acting Deputy Provost (Learning and Teaching) and Pro-Vice-Chancellor

Professor Derrick Armstrong, BA *London* MA *Lancaster* PhD *Lancaster*

Executive Assistant to the Dean

Robert Keighley

Pro-Dean (Academic Programs)

Associate Professor Robyn Ewing, BEd (Hons) PhD *Syd*

Associate Deans

Dr Lindsey Napier (Staffing)

Dr John Hughes (Development)

Dr Robyn Gibson (Division of Undergraduate & Preservice Programs)

A/Prof Robyn Ewing (Division of Graduate Studies)

A/Prof Janette Bobis (Division of Research)

Dr Hui Zhong Shen (International Relations)

Professor Peter Reimann (ICT)

Directors

Professor Peter Reimann (CoCo Research Centre)

Dr Ann Cheryl Armstrong (Division of Professional Learning)

Dr Hui Zhong Shen (China Education Centre)

Dr Lesley Harbon (Study Abroad Programs)

Dr Kevin Laws (International Students)

Faculty Manager

Shona Smith, BA (Hons) LLB GradDip Museum Studies *Syd*

Manager Student Administration

Maria McQuilty, BA *Syd*

Manager, Undergraduate and Preservice Division

Robyn Longhurst, BA *Syd*

Undergraduate Adviser

Eva Papas, BA DipEd *UNSW*

Publications and Undergraduate Adviser

Tanya Keane, DipComm Illust *QIT*

Timetable and Web Assistant

Brad Mercer

BTeach/MTeach Adviser

Edwina Hood, BA *UNSW*

Manager, Graduate Division

Maria-Grace Guerreiro, BA DipEd *UNE*

Graduate Research Adviser

Venice Jureidini-Briozzo, GradDip(Bus)(Frontline Management) *Syd*

International Adviser

Gilbert Cheng, BEc *NSW*

Postgraduate Adviser

Maryke Sutton

Manager Marketing and Development

Craig Van Dartel, BSocSc *Mitchell CAE* MA ComMgt *UTS*

Marketing Projects Officer

Joanne Fairley, BA (Hons) SocSc *Edin* DipBusiness(Frontline Mgmt) *Syd*

Professional Experiences Co-Directors

Dr Dianne Bloomfield, BSc (Hons) MEd (Studies) EdD *Syd*

Dr Tony Loughland, BTeach BEd(Hons) PhD *Syd*

Professional Experiences Coordinator

Cheryl Brown

Research Manager

Patrick Brownlee, BA(Hons) MA Journalism GradDip TESOL *Syd*

Research Student Liaison Officer

Suin Jung, BA(Psychology and Education) MA(Psychology) *Syd*

Project Manager, Division of Learning & Teaching

Maxine Moore, MA(Hons) *StAndrews* PGCE *Camb*

Manager Special Projects

Paula Simpson, BA BArtTh(Hons) *UNSW*

Educational Multimedia Developer

Dorian Peters, BA *Carnegie Mellon* MMDes *Syd*

Manager Informations Systems

Wai Yat Wong, MSc *Syd*

Technical Support Officer

Heman Chan

Web Developer

Pius Jeon

Field Education Officer - Social Work

Andrea Small, BSW *UNSW*

Manager Finance

Erin Sreejayan, ACMA *UK*

Finance Officers

Anthea Lo



Syedda Ali
Lisa Rhodes
Jinfeng Huang

Manager Facilities

John Usman, DipEd Tech *Glasgow* DipMgmt & Lead *TAFE*

Executive Assistants (Dean's Unit)

Cecilia Rigor-Aguilar, DipLib Tech *Sydney TAFE*
Ann Stravopodis
Deborah Young, Dip Community Welfare & Social Sciences *SIT* BEd
Adult & Community *UTS*
Kimberly Hammond, BA Marketing/Management *University of Oregon*
MEd TESOL *Syd*
Daniel Brooks, BA *Sheffield Hallam*

Technical Staff

Adriana Scodellaro, Cert ChemTech *Argentina Tech Coll* Lab Cert
TAFE

Precinct Supervisor

Jayne Cordner

Mail Assistant

David Myers

Academic

Professors

Raewyn Connell, BA *Melb* PhD *Syd*, FASSA (University Professor)
Barbara Fawcett, BSc MSc *Oxf* CQSW PhD *Manchester ILT*
Peter Freebody, BA(Hons) DipEd PhD *University of Illinois*
Peter Goodyear, BSc PhD *Ulster*, FCIPD
Michael Jacobson, PhD *Syd*
Phillip Jones, BA PhD *Syd*
Gabrielle Meagher, BEc (SocSci)(Hons) PhD *Syd*
Brian Paltridge, BA *Well* AssDip Community Languages *UWS* GradDip
TESOL *UTS* RSA DipTEFL MA PhD *Waikato*
Peter Reimann, MPsych *Freiburg* PhD *Freiburg*
Geoffrey E Sherington, BA *Syd* MA *UNSW* PhD *McMaster*, FRAHS
(Personal Chair in History of Education)
Anthony Welch, MA PhD HDipTeach DipEd *Syd*

Associate Professors

Janette Bobis, BEd MEd(AdminHons) PhD *UNSW*
Angela Brew, MA PhD
Craig Campbell, BA DipEd PhD *Adel*
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Jude Irwin, BSW *UNSW* MA *Macq* PhD *Syd*
Jennifer O'Dea, BA DipNutrDiet MPH PhD *Syd*
Murray Print, BA DipEd *WAust* MA *Syd* PhD *Ohio State*

Senior Lecturers

Tim Allender, BA(Hons) DipEd *Monash* MA(Hons) PhD *Syd*
Michael Anderson, BA DipEd *Tas* MA(Hons) *Woll* PhD *Syd*
Judy Anderson, BA *Macq* BSc MEd PhD *ACU*
Nigel Bagnall, PhD *Melb* MEd BA BEd Dip SLT Dip Tch *Syd*
Paul Dufficy, DipEd *SydTeachColl* GDipTESOL SCAE MA(TESOL)
UTS BA PhD *Syd*
Robyn Gibson, MEd *Melb* MSc(Human Ecology) *Ohio* PhD *RMIT*
Neville Goodwin, BA MEd *Syd*
Sue Goodwin, BA(Hons) *ANU* PhD *Syd*
Lesley Harbon, BA DipEd *Syd* MEd *UNE* PhD *Tas*
Chun Hu, BA Equivalent BBI MA *Stanford* MED *Columbia* EdD
Columbia
John Hughes, AdCert TESOL *Lond* BA MA DipEd EdD *Syd*
Marianne Hulsbosch, PhD *Wollongong*
Alexandra Hugman, PGCE Diploma in Flexible Learning MSc
(Education Management) *Syd*
Lesley Laing, BSW PhD *UNSW*
Kevin Laws, MA *Syd* EdD *Georgia*

Richard Light, DipTeach *Nthn Rivers* BEd *Kuringai* MEd *Deakin* PhD
QLD

James D Mackenzie, BA *Monash* MA PhD *UNSW*
Jacqueline Manuel, BA DipEd PhD *UNE*
Lina Markauskaite, MSc *Vilnius* MCM *Strathclyde* PhD *Institute of
Mathematics and Informatics*
Lindsey Napier, MA *Aberd* DipSocStud *Edin* DipMH *LSE* MSW PhD
Syd
Donna O'Connor, BEd(Hons) MEd(Hons) PhD *Syd*
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Lesley Scanlon, BA(Hons) *Newcastle(NSW)* DipEd *Syd* William
Balmain MA *Lond* PhD *UTS*
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Alyson Simpson, BA *UNSW* GradDipEd GradDip LibSc *UTS* GradDip
Chil Lit *UTS* MEd PhD *UWS*
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Rachel Wilson, BSc *ANU* Grad Dip Aud *Melb* PGCE MSC Dphil *Oxf*

Lecturers

Nikki Brunner, PhD *Syd*
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Kelly Freebody, BA(Hons) DipEd PhD *Ill*
Vilma Fyfe, DipTeach *UNE* BEd *UNE* PG Diploma in Research
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Paul Ginns, BA(Hons) MPsych(Applied) GradCertEducStudies(Higher
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Steve Georgakis, BEd(Hons) PhD *Syd*
Nigel Goodwin, BSc(IndArts) DipEd MSc(Architecture) MEd *Syd*
Jowen Hillyer, BA Communications *UWS* Bachelor of Teaching *UWS*
David Hirsh, BA DipTESL MA PhD *Wellington*
Stephen Juan, BA MA PhD *CalBerk*
Theodora Lafkas, BA MEd *Syd*
Cathy Little, BEd (Infants/Prim) BTeach *Macq* MA(EarlyChildhood)
Wollongong MEd (SpecialEducation) *Syd*
Denise Lynch, BSW *UNSW* MCrim *Syd*
Llian Merritt, PhD *Sydney* MEd BEd Grad Dip (Curric Devel) *Uni SA*
Rosalie Pockett, BSW PhD *UNSW* MAASW Acc *Syd*
Margot Rawsthorne, BA *Macq* PhD *Syd*
Kathleen Rushton, BA(Hons) *Essex* BEd(Primary) MA MEd(Research)
GradDip AdultEd (TESOL) *UTS*
Kate Russell, PhD *Coventry University* C Psychol *BPS* BASES
Accredited MINT Trainer
Ilektra Spandagou, BEd *Athens* MEd PhD *Sheffield*
Ian Stevens, MAppSc *UNSW* BScAgr DipEd *Syd*
Marie Stevenson, BA *UNSW* RSA DipTEFLA MA PhD *Amsterdam*
Louise Sutherland, BSc MEd PhD *Syd*
Zita Weber, BSocStud(Hons) PhD *Syd*
Lindy Woodrow, Dip(Teaching) UK Cert(Applied Linguistics & Teaching
of English) MA(Applied Linguistics) PhD

Lecturers Part-Time

Yosef Aharonov, BEd MA *Hebrew University, Israel*
Dorothy Bottrell, BA *La Trobe* MA EdD *Syd*
Eveline Chan, BEd (Hons) *Syd* PhD GradDipTeach TESL *SACAE*
Bryan Conyer, BA DipEd MAJE MEd (Research) *Syd*
Judith Day
Louise Fitzgerald
Jill Forster, BA(Hons) DipEd PhD *Syd*
Linda Graham, BA *Macq* MEd *Macq* PhD *QUT*
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Divisions**Division of Graduate Studies**

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Division of International Relations

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Head of Division: Dr Hui Zhong Shen

Centres of the Faculty**CoCo Research Centre**

CoCo Co-Director

Professor Peter Goodyear

CoCo Co-Director

Professor Peter Reimann

Educational Multimedia Developer

Dorian Peters, BA *Carnegie Mellon University* MMDes Syd

The aim of the centre is to act as a focus for research and postgraduate study in the field of ICT and Education (broadly defined to include any kinds of research investigating the use of ICT to support learning and/or teaching). The Centre's objectives include:

- the provision of a convivial, innovative, productive and well-resourced environment for leading-edge research
- support for innovative programs of postgraduate study
- assistance for colleagues in the faculty, and in the rest of the University of Sydney, in developing new lines of research in the field of ICT and Education
- fostering networks of researchers and practitioners involved in the field, and encouraging collaboration with colleagues in other research centres
- attracting researchers to the University, including PhD students.

China Education Centre

Director

Dr Hui Shen

The China Education Centre facilitates the development of educational, cultural and professional links between Australia and China. It was established following the visit to China of a group of comparative educators from the University of Sydney in 1972. The Centre encourages the interchange of scientific materials, publications and

information which promotes better understanding of Australia-China relations.

Activities are based in research, teaching, community service, scientific materials, publications and information.

Course Coordinators – Bachelor of Education**BEd(Primary)**

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BEd(Sec: Humanities)/BA, BEd(Sec: Science)/BSc, BEd(Sec: Mathematics)/BSc

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BEd(Sec)/BA(Psychology),BEd(Sec)/BSc(Psychology)

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BEd(Sec:Human Movement & Health Education)

Dr Kate Russell

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Course Coordinators – Bachelor of Social Work**Bachelor of Social Work**

Dr Lesley Laing

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Prizes and scholarships

This handbook contains simplified details of some of the prizes and scholarships offered by the University. The scholarships and prizes may be scheduled as follows:

1. *Prizes awarded automatically on results:* Successful students are notified of these by the Student Centre.
2. *Prizes awarded on application:* Closing dates for these may be obtained from the Scholarships Office.
3. *Prize compositions:* Details of these may be obtained from the Scholarships Office with whom applications generally close in the first week of second semester.
4. *Bursaries:* Bursaries are awarded on the combined grounds of financial need and academic merit and application may be made at any time to the Financial Assistance Office (open Monday to Thursday from 9.30am to 2.30pm).
5. *Grants-in-aid:* These are offered by application (closing date: 31 May each year) to postgraduate students seeking assistance with travel or maintenance.

6. *Postgraduate scholarships tenable at the University of Sydney:* Prospective postgraduate students should consult the Scholarships Office in August/September each year about Australian Postgraduate Research Awards and Course Awards (closing date: 31 October).
7. *Postgraduate travelling scholarships:* Each year the University offers five or six travelling scholarships with a closing date in November. Generally, applicants need to have a first-class honours degree approaching medal standard to be successful.

Applications for the major travelling scholarships offered by external bodies generally close in August or September.

Information on Postgraduate Scholarships can be obtained through the University website:

www.usyd.edu.au/fstudent/scholarships.shtml

Scholarships and prizes in Education

Title	Value	Qualification
<i>Undergraduate</i>		
GS Caird Scholarships	\$2,500	Proficiency in the second year Bachelor of Education course
	\$2,500	Proficiency in the third year Bachelor of Education course
Headfordt School Prize	\$350 or such sum as determined by Faculty	Proficiency in the course Education III
Colin Gladstone Harrison Family Scholarship	\$1000	The award is to support an Honours student in their final year of either the Bachelor of Education (Primary) or the Master of Teaching (Primary stream) programs whose research is in the area of Primary Curriculum Development
Newcomb Hodge Essay Prize (not restricted to students enrolled in courses administered by the Faculty of Education)	\$360	Outstanding essay in courses Education II or Education III.
The Social Work Pioneers Prize	\$1,000	For the student with the highest aggregate marks in the third year of the Bachelor of Social Work degree
John Cassim Creative Arts Award: Music	\$650	Awarded to an Education student who excels in music pedagogy
Helen Sham-Ho Prize	\$600	Awarded to a final year student enrolled in the Bachelor of Social Work or the BA/BSW with the highest aggregate mark for classroom performance together with an excellent performance in field education.
Tuh Fuh and Ruby Lee Prize	\$300	Awarded to the student who attains the highest grade for an undergraduate/pre-service final year unit of study related to research.
Marie Wilkinson Prize	\$250	Awarded to a student enrolled in the final two years of the Bachelor of Social Work course who has produced an excellent essay about children's welfare or children's rights.
Marion Macaulay Bequest Scholarships (open to Arts, and Education and Social Work students)	\$5,000	A number of awards will be made each year. The award is to support an Arts or Education student (undergraduate or postgraduate) whose studies are in the area of humanities, would be enhanced by overseas experience. Preference given to students in third, fourth or fifth year of the BA or BEd programs (including combined programs), or to either year of the BTeach/MTeach degree, and postgraduate coursework students. Awards are only available for approved exchange units of study at an overseas institution or pre-approved internships or professional experience to be credited towards the degree.
Shore Scholarship	\$10,000 2 awards	The Shore Scholarship is valued at \$10,000 per annum and will be awarded to a student of exceptional academic merit, who will contribute to the curricular life of Shore School and also co-curricular areas such as drama, debating, sport, music, and games etc.
Sydney Grammar School Teacher Education Scholarship	\$10,000 3 awards	Three scholarships will be made available, one of these will be dedicated to a Primary Master of Teaching student and each are valued at \$10,000. They will be awarded to a student of exceptional academic merit. The successful applicant(s) would be expected to be present in the school on occasions and will receive guidance of a mentor teacher. Students may undertake professional experience at the school where possible.

Student facilities and societies

Libraries

The University of Sydney Library is a network of 14 libraries located on ten campuses. The Library website (www.library.usyd.edu.au) provides access to services and resources, anywhere at anytime. The locations, opening hours and subject specialties of the libraries are listed on the website. Fisher Library Research and Short Loan collections support teaching and research in the Faculty of Education and Social Work. The Curriculum resources collection contains K-12 curriculum resources which support pre-service Education programs in the faculty.

Over five million items are available via the Library catalogue, including more than 70,000 electronic journals and 320,000 electronic books. Past exam papers are also available online. Enrolled students are

entitled to borrow from any of the University Libraries. More information is available at: www.library.usyd.edu.au/borrowing.

Reading list items are available via the reserve service. Increasingly, reading list material is becoming available in electronic form. For details see the reserve service website: opac.library.usyd.edu.au/screens/reserve.html

Library staff are always available to support students in their studies via 'Ask a Librarian':

www.library.usyd.edu.au/contacts/index.html

Staff may be contacted by email or in person.

A specialist librarian is available for all discipline areas and will provide training in finding high quality information. Courses cover a range of skills including research methodology, database searching, effective

use of the Internet and the use of reference management software. See the subject contact page:
www.library.usyd.edu.au/contacts/subjectcontacts.html

Library facilities include individual and group study spaces, computers, printers, multimedia equipment, photocopiers and adaptive technologies. Check the 'Libraries' link (www.library.usyd.edu.au) on the home page to find out about services and facilities in specific libraries.

The Client Service Charter describes the Library's commitment to supporting students' learning, including those with special needs. See the Client Service Charter online:
www.library.usyd.edu.au/about/policies/clientcharter.html

Your comments and suggestions are always welcome.
 University of Sydney Library F03
 University of Sydney
 NSW 2006 Australia

Phone: +61 2 9351 2993 (general enquiries)
 Fax: +61 2 9351 4328 (information services)

University of Sydney Education and Social Work Society (EDSOC)

First established in 1907, the Education and Social Work Society (EDSOC) is one of the oldest student societies at the University of Sydney.

The Education Society was started at the Sydney Teachers' College by Alexander Mackie, the first principal of the College and the founding Professor of Education at the University of Sydney.

The Education Society remained an active body in the early 1990s when the Teachers' College and the university's newly formed Faculty of Education were merged following the Dawkins Reforms to Higher Education. The society was renamed the Education and Social Work Society when Social Work joined the faculty in 2003, representing both student teachers and social workers at the University of Sydney.

The Society operates on the same principles upon which it was founded over 100 years ago – 'to develop a collegial spirit based on sound scholarship, good fellowship, loyalty, and keenness in sport'. In 2009, EDSOC continues to develop and encourage social, academic and professional cooperation amongst the students at the Faculty of Education and Social Work in the University of Sydney.

The Education and Social Work Society provides the following for students in the faculty:

- The promotion of a common meeting ground for teachers, graduates, and undergraduates in the Faculty of Education and Social Work
- Furthering the interests of members and to represent their views, particularly in matters related to their education
- Representation on various academic boards and committees, including the Faculty Board and the Academic Forum
- Liaising with the University of Sydney Union (USU) and the Students' Representative Council (SRC) on issues that affect education and social work students in the university
- Social events such as an End Of Year Ball, Harbour Cruises, Drinks Nights and Afternoons
- Regular barbecues on the Education Lawn
- Interfaculty sport
- Publications, including a fortnightly newsletter, *The Dunce*.

The Dean recommends that students become active in the Society and support its activities. All students undertaking a degree offered by Faculty of Education and Social Work are already members of EDSOC.

Contacts:

Education & Social Work Society
 Room 406, Education Building (A35)
 University of Sydney NSW 2006

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 Telephone: +61 2 9351 6350

2. Introduction to Education undergraduate study

Bachelor of Education (Primary Education)

Course coordinator

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The Bachelor of Education is a four-year, full-time professional degree course preparing students to work in primary schools and other contexts with children in Years K-6 (aged 5-12 years). Students undertake generalist units in education and professional studies as well as units of study in the sciences, social sciences and humanities offered by the Faculty of Arts, the Faculty of Science and the Faculty of Economics and Business.

The Bachelor of Education (Primary Education) covers all the Key Learning Areas (primary subject areas) with special attention to the mandatory areas of Indigenous Education, Teaching English to Speakers of Other Languages (TESOL) and Special Education. Similarly, professional experience (practice teaching) is integral to the program and commences in first year. Students will be introduced to teaching through small group teaching in schools and in out of school facilities that care for children. Students will also complete practical and theoretical studies relating to children with special needs and children from a wide variety of cultural and linguistic backgrounds.

In fourth year students can specialise in one of a number of year-long elective units such as Creative Arts, Special Education, TESOL and Aboriginal Education. Completion of one of these Special Options is equivalent to a major study (third year or 300 level) and equips a student with an additional teaching specialisation.

Foundation education studies examine education as a social science and explore issues of policy and social theory. Professional studies provide specialist expertise in areas of primary curriculum. Units of study undertaken outside the faculty give students the opportunity to engage in subject areas of interest at a tertiary level. In the first year, students also undertake a science foundations unit, which provides grounding in the four major science areas (physics, chemistry, biology and geology).

The Bachelor of Education (Primary Education) produces graduates who have:

- a broad general personal education with in-depth knowledge in at least one area
- an evolving personal theory of education, based on an understanding of contemporary society, children's development, the variety of teaching roles, and the purposes and functions of schooling
- knowledge, attitudes and attributes required for the effective performance of the complex tasks and responsibilities of primary school teachers
- a capacity to construct, implement and evaluate appropriate programs of learning experiences for primary school children
- the maturity and humanity necessary for professional teaching
- an ability to maintain, enquire into, and evaluate their own professional development
- the ability to critically analyse new professional and policy developments.

Note

If you intend to seek employment with the New South Wales Department of Education and Training, you must have completed 2 units of Mathematics and 2 units of English at the HSC (or equivalent).

Bridging courses in Mathematics may be available, the cost for which will be met by the student.

The schedule of studies for the four years of the degree follows:

Year I

- Two 100-level one-semester units of study in Education.
- Science Foundations 1 and 2.
- Two Junior (level 100) units of study chosen from those offered by the Faculties of Arts, Science, or Economics and Business.
- Professional Studies in Creative Arts (Visual Arts, Music, Drama and Dance) and Introduction to Teaching and Learning Literacy including 8 days observation in a school context (some limited teaching).

Year II

- Two 200-level one-semester units of study in Education.
- Two Senior (level 200) units of study offered by the Faculties of Arts, Science, or Economics and Business.
- Professional Studies, comprising separate semester units of study in English, Mathematics, Indigenous Education, Personal Development and Health/Physical Education, and Teaching and Curriculum, including Professional Experience (15 days).

Year III

- Two 300-level one-semester units of study in Education (The unit of study "Positive Approaches to Special Education" is compulsory if you are seeking employment with the Department of Education and Training).
- Professional Studies, comprising separate semester courses in English, Mathematics, HSIE, Creative Arts, Personal Development and Health/Physical Education, Science and Technology, Teaching English to Speakers of Other Languages (TESOL), and Teaching and Curriculum including Professional Experience (15 days).

Year IV

- Two units of study in Education: one compulsory, Reading and Designing Research and one elective; or
- If eligible to enrol in honours, students enrol in Research Honours A and Research Honours B and complete a dissertation of 10,000 words or its equivalent.
- Professional Studies, comprising of separate semester units in Language, Mathematics, Teaching Children with Special Needs, Personal Development and Health/Physical Education, Science and Technology, Human Society and its Environment and a continuation of the Professional Experience (15 days + 30 days Internship placement).
- Two Special Units offered by the faculty. Some of these currently being offered are: Teaching English to Speakers of Other Languages (TESOL), Creative Arts, IT in the Primary classroom, Special Education, Gifted and Talented Education and Aboriginal Studies.

The degree is awarded at pass, pass with merit or honours level

Bachelor of Education (Secondary) (Human Movement and Health Education)

Course Coordinator

Dr Kate Russell
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The Bachelor of Education (Human Movement and Health Education) is a four-year full-time degree course preparing students to work in the Personal Development, Health and Physical Education key learning area, primarily within secondary school contexts although some training to teach at primary school level is also included. Whilst the focus is on teacher education, this degree also forms a basis for students who want to work in settings related to community health, recreation, sport, and community fitness.

In the first year of your degree course, units in the sciences, social sciences and humanities are selected from a wide range offered by the faculties of Arts, Science, and Economics and Business. In your first year, you will choose two units from these as well as units in generalist education, which examine education as a social science and look at issues in policy and social theory. In the first year, you are also required to take one Science unit, Sports Mechanics and four units of professional studies in human movement and health education.

In second year you will continue with two units of study in generalist education and six units of professional studies in human movement and health education. Professional studies from year 2 will include teaching and learning curriculum development and school experience.

In third year you will continue with two units of generalist education and six units of professional studies in human movement and health education. In year four all units of study will be taken from professional studies in human movement and health education. You will undertake an Honours or non Honours route.

Students in Year 1 engage in 15 days of School Experiences in Primary Schools at the end of Semester One.

Students in Years 2 and 3 undertake 25 days of School Experiences in Secondary Schools at the end of Semester Two.

Students in Year 4 undertake an Internship of 20 days in a secondary school.

The Human Movement and Health Education Program prepares graduates who have:

- core knowledge essential to be educators in health education and physical education in school and community settings;
- technical background which includes ICT skills information relevant to the subject areas of health education, physical education, movement science, anatomy and physiology, and physical activity;
- knowledge of the historical/philosophical/socio-cultural impact on health status, behaviour, research, personal performance competencies, personal health, administration, role modelling, medical/safety/legal implications, marketing techniques, the selection of physical activities;
- interpersonal skills in the teaching of physical education drawing from the areas of games, dance, aquatics, gymnastics, track and field, outdoor and leisure pursuits;
- interpersonal skills in the teaching of health education drawing from the areas of growth and development, healthy lifestyles, drug education, sexuality education, nutrition, safe living;
- learned to utilise the applied science/social science theoretical background in the practice of health education and physical education;
- accepted their position as a role model of health-enhancing behaviour;
- the intention of pursuing professional liaison through colloquia, seminars, and professional associations.

The schedule of studies for the four years of the degree follows:

Please note: This is a new programme which will be phased in from 2009

Year I

- Education, teachers and teaching
- Human development and education
- 2 six credit point Junior/First Year units of study chosen from the Faculty of Arts, (eg History, English, Anthropology, Religious

Studies, French, Arabic, Japanese, Philosophy), or the Faculty of Economics and Business, or the Faculty of Science

Professional Studies in HMHE

- Sports mechanics
- Professional practice in PDHPE 1
- Identifying health determinants
- Pedagogy for physical education 1

Year II

- Educational psychology
- Social perspectives on education

Professional Studies in HMHE

- Professional practice in PDHPE II
- Health of young people I
- Indigenous perspectives in PDHPE
- Outdoor education
- Pedagogy for physical education II
- Applied anatomy & physiology

Year III

- Positive approaches to special education
- Sports, leisure and youth

Professional Studies in HMHE

- Professional practice in PDHPE III
- Health theories and models in action
- Pedagogy for physical education III
- Pedagogy for physical education IV
- Health of Young People II
- Training for performance

Year IV

- Reading and designing research
OR
Research Honours A
- Research Honours B

Professional Studies in HMHE

- Professional practice in PDHPE IV
- Community health issues
- Pedagogy for physical Education V
- Sports medicine
- Internship

AND either

One HMHE elective (Honours route)

OR

One Human Movement elective (non Honours route) and

One EDUF elective

By the end of Year 3 you are expected to have completed a WorkCover approved First Aid Certificate. This is a prerequisite for EDUH4080 Sports medicine.

The degree is awarded at pass, pass with merit or honours level.

Bachelor of Education (Secondary: Humanities and Social Sciences) and Bachelor of Arts

Course Coordinator

Dr Carmel Fahey

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This degree prepares students to teach in the following curriculum areas in secondary schools:

- English
- Drama
- History
- Languages (may be taken as a double method)
- Visual Arts
- Classical Hebrew and Judaism
- Teaching English to Speakers of Other Languages (TESOL)
- Geography*
- Economics*
- Mathematics*

In Years 1 and 2 students engage in a broad tertiary education, which includes subjects in the Faculties of Arts and Education and Social Work. In the third year of the degree students begin the full professional program in teaching and curriculum. The professional program involves the study of teaching and learning as well as methods of teaching the school curriculum.

The two degrees are completed in five years. However, it is possible to leave the course at year three with a BA only, or at year four with a BEd only. Students exiting with a BA only must provide notification in writing at the end of Year 2 of their intention to exit the course. Students must submit this notification in writing to the Faculty of Education and Social Work and provide a copy to the Faculty of Arts.

The schedule of studies for the five years of the degree is as follows:

Year I

- Two 100-level one-semester units of study in Education (12 credit points); and
- Six Junior (100-level) units of study chosen from those offered by the Faculty of Arts (four units must be teaching subjects, two of these must be selected from Table A, Faculty of Arts units) (36 credit points).

Year II

- Three senior level units of study in Education (18 credit points); and
- Teaching and Learning units of study (6 credit points); and
- Four Senior (200-level) units of study chosen from those offered by the Faculty of Arts (continuation of teaching subjects) (24 credit points).

Year III

- One 300 level Education unit of study (6 credit points); and
- Teaching and Learning unit of study (4 credit points); and
- Professional Experience unit of study (2 credit points); and
- Curriculum units of study (24 credit points); and
- Two Senior one-semester units of study from those offered by Table A, Faculty of Arts towards major area of study (12 credit points).

Year IV

- Two units of study in Education: one compulsory, Reading and Designing Research (6 credit points) and one elective (6 credit points); or
- If eligible to enrol in honours, students enrol in Research Honours A (6 credit points) and Research Honours B (6 credit points) and complete a dissertation of 10,000 words or its equivalent.
- Curriculum units of study (12 credit points); and
- Teaching and Learning units of study (10 credit points); and
- Professional Experience unit of study (2 credit points); and
- Two Senior one-semester units of study from those offered by Table A, Faculty of Arts towards major area of study (12 credit points).

Year V

- Curriculum and Professional Studies in Education (24 credit points); and
- Four Senior units of study from the Faculty of Arts to complete requirements for the Bachelor of Arts, (24 credit points).

* Students may major in these subjects but must have a Table A Arts major also in order to graduate with a BA.

The degree is awarded at pass, pass with merit or honours level.

Bachelor of Education (Secondary: Science) and Bachelor of Science

Course Coordinator

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Science Curriculum Coordinator

Mr Tony Sperring
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This degree prepares students to teach in the following areas in secondary school:

- Science
- Science/Mathematics
- Science/Computing Studies
- Science/Geography

Students must complete a major in one teaching science area – i.e. Biology, Chemistry, Geology or Physics (or a corresponding major such as Biochemistry, Geophysics, Marine Science, Microbiology, Pharmacology or Physiology) and at least one year of study in a second science (from the four broad science areas). At least one year (12 credit points) of either Chemistry or Physics must be included in the science studies.

Science can be taken as either a double or a single teaching method. As a single teaching method it can be coupled with Geography, Mathematics or Computing Studies. In Years 1 and 2 students engage in a broad tertiary education, which includes subjects in the Faculty of Science and the Faculty of Education and Social Work.

In the third year of the degree students begin the full professional program in teaching and curriculum. The professional program involves the study of teaching and learning as well as methods of teaching the school curriculum.

The two degrees are completed in five years. However, it is possible to leave the course at year three with a BSc only, or at year four with a BEd only. Students exiting with a BSc only must provide notification in writing at the end of Year 2, and submit this notification to the Faculty of Science and a copy to the Faculty of Education and Social Work.

The program is strongly supported by laboratory work and school experiences, designed to produce highly qualified and sought after graduates.

The schedule of studies for the five years of the degree is as follows:

Year I

- Two 100-level one-semester units of study in Education (12 credit points); and
- Junior science discipline areas of mathematics and statistics (12 credit points); and
- Junior units of study in science subject areas including at least 12 junior credit points from each of two science subject areas, other than mathematics or statistics (from the disciplines of biology, chemistry, geosciences and physics) (24 credit points).

Year II

- Three senior level units of study in Education (18 credit points); and
- Teaching and learning units of study (6 credit points); and

- Four 200-level one-semester units of study from science teaching subject areas (24 credit points) (continuation of teaching subjects).

Year III

- One 300 level Education unit of study (6 credit points); and
- Teaching and Learning unit of study (4 credit points); and
- Professional Experiences unit of study (2 credit points); and
- Curriculum units of study (24 credit points); and
- Two 300-level one-semester units of study from those offered by the Faculty of Science towards major teaching area of study (12 credit points)

Year IV

- Two units of study in Education: one compulsory, Reading and Designing Research (6 credit points) and one elective (6 credit points); or
- If eligible to enrol in honours, students enrol in Research Honours A (6 credit points) and Research Honours B (6 credit points) and complete a dissertation of 10,000 words or its equivalent.
- Curriculum units of study (12 credit points); and
- Professional Experiences unit of study (2 credit points); and
- Teaching and Learning units of study (10 credit points); and
- Two 300-level one-semester units of study from those offered by the Faculty of Science towards major area of study (12 credit points).

Year V

- Curriculum and Professional Studies in Education (24 credit points); and
- 200-level or 300-level units of study to complete requirements for a Science major and for the Bachelor of Science (24 credit points).

The degree is awarded at pass, pass with merit or honours level.

Bachelor of Education (Secondary: Mathematics) and Bachelor of Science

Course Coordinator

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Mathematics Curriculum Coordinator

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This degree prepares students to teach in the following areas in secondary schools:

- Mathematics
- Mathematics/Computing Studies
- Mathematics/Science

Students must take mathematics as a major subject. However, students can choose to take mathematics as a double or single teaching subject. As a single teaching subject it can be coupled with computing studies or a wide range of Science subject areas (to include at least two full years in one teaching science and a full year in a second teaching science).

In the first two years students take Education as a compulsory subject, together with Mathematics. Students may choose to take Statistics with the Mathematics units. The professional program involves the study of teaching and learning as well as methods of teaching the school curriculum. The two degrees are completed in five years. However, it is possible to leave the course at year three with a BSc only, or at year four with a BEd only. Students exiting with a BSc only must provide notification in writing at the end of Year 2 and submit

this notification to the Faculty of Science and a copy to the Faculty of Education and Social Work.

The program is strongly supported by the use of technology specifically to support the teaching of mathematics (and any other method selected). Students will be fully equipped to use computer technology and graphics calculators in the classroom. Extensive use is made of the Internet and close collaboration with schools, both in Australia and overseas.

The schedule of studies for the five years of the degree is as follows:

Year I

- Two 100-level one-semester units of study in Education (12 credit points);
- Two 100-level one-semester units of mathematics (12 credit points); and
- Four 100-level units of study chosen from those offered by the Faculty of Science (24 credit points).

Year II

- Three Senior-level units of study in Education (18 credit points); and
- Teaching and Learning unit of study (6 credit points); and
- Two 200-level one-semester units of mathematics or statistics (12 credit points); and
- Two 200-level units of study chosen from those offered by the Faculty of Science (12 credit points) in the second teaching subject area.

Year III

- One 300 level Education unit of study (6 credit points); and
- Teaching and Learning unit of study (4 credit points); and
- Professional Experiences unit of study (2 credit points); and
- Curriculum units of study (24 credit points); and
- Two 300-level one-semester units of study from those offered by the Faculty of Science towards major teaching area of study (12 credit points)

Year IV

- Two units of study in Education: one compulsory, Reading and Designing Research (6 credit points) and one elective (6 credit points); or
- If eligible to enrol in honours, students enrol in Research Honours A (6 credit points) and Research Honours B (6 credit points) and complete a dissertation of 10,000 words or its equivalent.
- Curriculum units of study (12 credit points); and
- Professional Experiences unit of study (2 credit points); and
- Teaching and Learning units of study (10 credit points); and
- Two 300-level one-semester units of mathematics or statistics offered by the Faculty of Science towards major teaching areas (12 credit points)

Year V

- Curriculum and Professional Studies in Education (24 credit points); and
- 200-level or 300-level units of study to complete requirements for a mathematics major and for the Bachelor of Science (24 credit points).

The degree is awarded at pass, pass with merit or honours level.

Bachelor of Education (Secondary) and Bachelor of Science (Psychology)

Course Coordinator

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There has been no student intake in this degree since 2006. Units of study in the fifth year will continue to be offered to enable current students to complete the degree.

** Students must obtain a credit average across both Psychology II and Psychology III in order to undertake Psychology IV Honours and School Counselling specific units*

This program prepares graduates who will qualify as school counsellors and will be able to be conditionally registered as Psychologists, as well as teachers in secondary schools in a specified science discipline area (physics, chemistry or mathematics).

Students study specified science subjects, which they will be teaching in secondary schools, and at the same time complete a major in Psychology; Education and professional teaching practice are also studied, and there is professional experience in school counselling as well as an applied research component in Psychology. The fourth and fifth years of the degree enable students to complete honours studies in Psychology as well as specialist studies in School Counselling. The major in science is also completed in the fifth year.

Year V

- Psychology 4 (20 credit points)
- Counselling Children and Adolescents (6 credit points)
- Issues in School Counselling (4 credit points)
- Senior Science units (teaching subject) (12 credit points)
- Counselling Practicum 3 (10 days) (2 credit points)
- Counselling Practicum 4 (10 days) (4 credit points)

Bachelor of Education (Secondary) and Bachelor of Arts (Psychology)

Course Coordinator

Dr Susan Colmar
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There has been no student intake in this degree since 2006. Units of study in the fifth year will continue to be offered to enable current students to complete the degree.

** Students must obtain a credit average across both Psychology II and Psychology III in order to undertake Psychology IV Honours and School Counselling specific units.*

This program prepares graduates who will qualify as school counsellors and will be able to be conditionally registered as Psychologists as well as teachers in secondary schools, in a specified Humanities area (such as English or History).

Students study Arts subjects, which they will be teaching in secondary schools, and at the same time complete a major in Psychology; Education and professional teaching practice are also studied, and there is provision for professional experience in school counselling as well as an applied research component in Psychology. The fourth and fifth years of the degree enable students to complete honours studies in Psychology as well as specialist studies in School Counselling. The major in Arts is also completed in the fifth year.

Year V

- Psychology 4 (20 credit points)
- Counselling Children and Adolescents (6 credit points)
- Issues in School Counselling (4 credit points)
- Senior Arts units (teaching subject) (12 credit points)
- Counselling Practicum 3 (10 days) (2 credit points)
- Counselling Practicum 4 (10 days) (4 credit points)

Bachelor of Education (Secondary: Aboriginal Studies)

For further information about this Block Mode program please contact:

Academic Coordinator

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The Faculty of Education and Social Work may admit an Aboriginal or Torres Strait Islander person to candidature for the Bachelor of Education (Secondary: Aboriginal Studies) degree who (a) is qualified for the award of the Diploma in Education (Aboriginal) of the University of Sydney; or (b) has completed other qualifications deemed by the Faculty to be equivalent.

The Bachelor of Education (Secondary: Aboriginal Studies) is a block-mode (away-from-base) program. This program is designed specifically for Indigenous Australian people. Units of study are delivered in one-week blocks on the Camperdown campus in Sydney six times a year.

Bachelor of Education (Honours)

An Education Honours degree is available in the following programs:

- BEd(Primary)
- BEd(HMHE)
- BEd/BA
- BEd(Maths)/BSc
- BEd(Science)/BSc

Entry to an Education Honours degree requires a weighted average mark of at least 70, averaged across 48 credit points of undergraduate units of study excluding Junior units of study and Professional Experience units.

Students completing Honours will be required to successfully complete EDUF4005 Research Honours A and EDUF4006 Research Honours B and complete a 10,000 word dissertation or its equivalent.

Further details about honours are located in the Resolutions of the Faculty in the section "Degree Regulations and Policies" of this handbook.

Rationale for the inclusion of Education I, II, III and IV in the Bachelor of Education

The Bachelor of Education has as its organising principle the professional education of teachers. As part of that education Education I, II, III and IV contribute a range of studies which link professional practice to broader theoretical and contextual understandings of educational activity. These include studies of childhood and youth, learning and teaching, psychology and human development; as well as studies of the philosophy, history, politics and sociology of education in a rapidly changing world. The increasingly globalised world students of the twenty first century enter, makes international perspectives crucial. The University of Sydney acknowledges the need to place all units of study offered in Education I through to Education IV within a global context.

Consequently the Education stream has an important relationship to the social sciences and humanities. Units of study in Education I, II, III and IV are therefore organised around multi-disciplinary topics and problem-solving frameworks. The overall aim of these units is for students to engage with substantial bodies of thought in making sense of a broad range of teaching and learning experiences; developing

skills and knowledge so that they may participate actively in the processes of education and educational reform.

To this end units of study in Education I, II, III and IV encourage depth of understanding, flexibility, and critical and constructive thinking on diverse approaches to educational issues. In addition, organised research training aims to develop skills in systematic enquiry and reflective practices. These skills and knowledge are essential for learning and teaching related professions.

Units of study across Education I, II, III and IV develop from general understandings in first year to more specialised understandings in second, third and fourth years. These units of study contribute to the general skills and knowledge expected of graduates of the University of Sydney who are preparing for active participation in society as informed citizens and life long learners. Not all students of Education I, II and III will become teachers. Education I, II, III and IV is designed for the students who intend to become teachers, as well as students who have a more general desire to understand education as a field of academic inquiry.

Education I, II, III and IV contribute to the attributes of University of Sydney graduates in these five areas:

Knowledge

Graduates who have passed through Education I, II, III and IV should:

- have a body of knowledge in the field of education, drawn from disciplines and multi-disciplinary studies including: human development (child and adolescent in particular), educational psychology (with an emphasis on how young people learn), schooling as a social activity (which study will include philosophical, historical, sociological and multi-disciplinary perspectives), and curriculum, professional and teaching studies;
- be able to apply theory and research findings to practise in familiar and unfamiliar situations;
- have an appreciation of the importance and usefulness of scholarship and research as they organise their professional careers;
- have a working knowledge of the processes of policy development and implementation in education, with specific knowledge about certain mandated policies such as Child Protection.

Thinking skills

Graduates who have passed through Education I, II, III and IV should be able to:

- interpret educational research and theory critically
- exercise critical judgement

- think rigorously and independently
- account for their decisions
- evaluate their own performance realistically
- adopt a problem-solving approach
- think creatively and imaginatively.

Personal skills

Graduates who have passed through Education I, II, III and IV should have the:

- formal research skills to investigate their professional practice and its context
- capacity and desire to continue to learn
- ability to plan and achieve goals in both the personal and professional sphere
- ability to work with others, including those from diverse backgrounds.

Personal attributes

Graduates who have passed through Education I, II, III and IV should:

- strive for tolerance and integrity
- acknowledge their personal responsibility for their own value judgements and ethical behaviour towards others.

Practical skills

Graduates who have passed through the Education I, II, III and IV should:

- collect, analyse and report observations
- present reasoned argument based on research to peers in the field of education
- analyse educational activity and phenomena from a theoretically informed knowledge-base
- use computing and recent information technologies to assist in their learning, analysis, presentation and solving of educational issues and problems.

Units of study in Education I, II, III and IV link these attributes to their evaluative and assessment practices. Staff members will build into their assessments the following criteria for evaluating students' work:

1. Knowledge of concepts, theories, methods and content associated with a unit of study
2. Ability to apply these concepts, theories and methods within the unit of study
3. Ability to communicate ideas in written and oral form
4. Ability to use a range of resources to analyse and synthesise the key elements of an educational question
5. Ability to gather evidence to solve educational problems.

3. Introduction to Social Work undergraduate study

Bachelor of Arts/Bachelor of Social Work degrees

Course Coordinator:

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The BA/BSW degrees initially require the completion of the requirements for the award of the BA course in accordance with the resolutions for that course. Within the BA program, studies in sociology, Indigenous studies and psychology (outlined in detail below), are compulsory. On completion of the Bachelor of Arts, candidates proceed to the third and fourth years of the Bachelor of Social Work course. The Bachelor of Social Work course prepares students to practise as accredited professional social workers in a range of fields including health, corrections, community work, aged care, women's services, child and family services, migrant and refugee services, international development and disability.

In Years 3 and 4 of the Bachelor of Social Work, the program is conducted on a full-time basis on two sites – the university campus and an agency where students undertake field education. The campus program focuses entirely on social work, its framework of knowledge and skills and the analysis and development of theory, social policy and research. It provides a context for exploration of the interaction of personal and professional values and ethics as they relate to social policy and social work. The starting points for learning are typical issues and debates encountered in contexts of policy and practice or with particular citizen groups, brought together in a series of Issue Based Learning Units (IBLs). The IBLs provide the context for learning about theory, research, values and skills. A structured program of lectures, seminars and skills workshops is provided to resource learning. Students are expected to take progressively more responsibility for their own learning, equipping them for the demands of professional practice.

The Issue Based Learning units vary in different years, but all follow a structure which provides examples of social work and which is designed to ensure the development of broader knowledge and skills which are transferable to other contexts. Examples include: Families, children and young people; Caring and citizenship: the case of disability; Drugs and alcohol; the social work response; the illness, inequality and intervention; Social justice, social citizenship and social work; Violence in Families; and Ageing.

The field education program provides a practice context for this learning. Field educators determine the scope and parameters of learning opportunities within the agency. In negotiation with their field educator, students are asked to produce a contract that will set out what they hope to learn, how that learning will happen and how with their field educator, they will monitor and evaluate this learning.

The Bachelor of Arts/Bachelor of Social Work prepares graduates who have pursued education in the humanities and social sciences for scholarly interest and as professional social workers with:

- an understanding of social work and social policy theory and practice and their interdisciplinary nature in historical, cultural, socio-economic and political contexts
- an understanding of the interdependence of theory, practice, policy and research

- an understanding of and an ability to articulate the contribution of social work and social policy in working towards social justice
- a capacity to locate, analyse, use and engage in research in practice
- an ability to use knowledge effectively to solve problems at different levels of intervention and in a range of workplace contexts
- skills in communication, empathy, self-awareness in practice, providing resources, assessment and exercising professional judgement
- an ability to act professionally, using ethical and strategic practices, using 'self' in a disciplined way in social work
- an ability to reflect systematically on the theoretical and personal underpinnings of practices and to change and develop them where necessary in light of new knowledge, lived experience and different contexts
- an ability to combine autonomy with a capacity for collaborative and versatile work
- an appreciation of the limits of current knowledge and capabilities and a preparedness to undertake ongoing professional development.

A schedule of studies for the five years of the degree follows:

Year I

48 credit points comprising:

- Introduction to Sociology 1 and Introduction to Sociology 2 (12 credit points).
- 36 credit points from the *Table of units of study* for the Bachelor of Arts course taken in accordance with the resolutions for that course. (Credit may be given for units of study taken at other institutions).

Year II

48 credit points comprising:

- two senior level Sociology units of study (12 credit points); and
- intermediate level Psychology units of study (12 credit points); or
- Psychology for Social Work 201 and Psychology for Social Work 202 (12 credit points); and
- senior Indigenous studies unit of study (6 credit points); and
- 18 credit points from the *Table of units of study* for the Bachelor of Arts course taken in accordance with the resolutions for that course.

Year III

48 credit points comprising:

- 48 credit points prescribed for the Bachelor of Arts course and taken in accordance with the resolutions for that course.

Year IV

48 credit points comprising:

- Professional Practice (8 credit points); and
- IBL unit 1 (8 credit points); and
- IBL unit 2 (8 credit points); and
- Field Education 1 which includes field education of not fewer than 60 days and such attendance at classes as may be prescribed by the faculty (24 credit points).

Year V

48 credit points comprising:

- IBL unit 3 (9 credit points); and



- Field Education 2A and 2B which includes field education of not fewer than 80 days and such attendance at classes as may be prescribed by the faculty (24 credit points); and
- IBL unit 4 (9 credit points); and
- Integrative Studies 402 (6 credit points).

Honours

It is possible to complete an honours BA course and/or an honours BSW course within the combined course program. For the BA honours course, an additional honours year is completed after the third year of the combined course program, before enrolling in the fourth year (which is the equivalent of the third year in the BSW degree course). Students proceeding full-time would normally complete an honours BA course and a BSW course (pass or honours) in six years of enrolment. For information about the honours BA course, the Faculty of Arts Handbook should be consulted.

Bachelor of Social Work

Course Coordinator:

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This is a full-time degree course preparing students to practise as accredited professional social workers in a range of fields including health, corrections, community work, aged care, women's services, disability, child and family services, migrant and refugee services and international development.

In the first and second years of the course, students select units of study from a wide range within the Faculty of Arts including philosophy, history, economics, government, and languages. Studies in sociology, psychology and Indigenous Studies are compulsory. This provides a strong base for subsequent studies in social work and social policy.

In Years 3 and 4 of the Bachelor of Social Work, the program is conducted on a full-time basis on two sites – the University campus and an agency where students undertake field education. The campus program focuses entirely on social work, its framework of knowledge and skills and the analysis and development of theory, social policy and research. It provides a context for exploration of interaction of personal and professional values and ethics as they relate to social policy and social work. The starting points for learning are typical issues and debates encountered in contexts of policy and practice or with particular citizen groups, brought together in a series of Issue Based Learning Units (IBLs). The IBLs provide the context for learning about theory, research, values and skills. A structured program of lectures, seminars and workshops is provided to resource learning. Students are expected to take progressively more responsibility for their own learning, equipping them for the demands of professional practice.

The Issue Based Learning units vary in different years, but all follow a structure which provides examples of social work and which is designed to ensure the development of broader knowledge and skills which are transferable to other contexts. Examples include: families, children and young people; caring and citizenship: the case of disability; drugs and alcohol; the social work response; illness, inequality and intervention; social justice, social citizenship and social work; violence in families; and ageing.

The field education program provides a practice context for this learning. It requires social workers to use theory and research and to act consistently with regard to professional values and ethics.

The Bachelor of Social Work prepares graduates who have:

- an understanding of social work and social policy theory and practice and their interdisciplinary nature in historical, cultural, socio-economic and political contexts

- an understanding of the interdependence of theory, practice, policy and research
- an understanding of, and an ability to articulate the contribution of social work and social policy in working towards social justice
- a capacity to locate, analyse, use and engage in research in practice
- an ability to use knowledge effectively to solve problems at different levels of intervention and in a range of workplace contexts
- Skills in communication, empathy, self-awareness in practice, providing resources, assessment and exercising professional judgement
- an ability to act professionally, using ethical and strategic practices, using 'self' in a disciplined way in social work
- an ability to reflect systematically on the theoretical and personal underpinnings of practices and to change and develop them where necessary in light of new knowledge, lived experience and different contexts
- an ability to combine autonomy with a capacity for collaborative and versatile work
- an appreciation of the limits of current knowledge and capabilities and a preparedness to undertake ongoing professional development.

The schedule of studies for the four years of the degree follows:

Year I

48 credit points comprising:

- Introduction to Sociology 1 and Introduction to Sociology 2 (12 credit points).
- 36 credit points from the *Table of units of study* for the Bachelor of Arts course taken in accordance with the resolutions for that course. (Credit may be given for units of study taken at other institutions.)

Year II

48 credit points comprising:

- one senior level Sociology unit of study (6 credit points); and
- Research Skills for Social Work (6 credit points); and
- intermediate level Psychology units of study (12 credit points); or Psychology for Social Work 201 and Psychology for Social Work 202 (12 credit points); and
- senior Indigenous studies unit of study (6 credit points); and
- 18 credit points from the *Table of units of study* for the Bachelor of Arts course taken in accordance with the resolutions for that course. (Credit may be given for units of study taken at other institutions.)

Year III

48 credit points comprising:

- Professional Practice (8 credit points); and
- IBL unit 1 (8 credit points); and
- IBL unit 2 (8 credit points); and
- Field Education 1 which includes field education of not fewer than 60 days and such attendance at classes as may be prescribed by the Faculty (24 credit points).

Year IV

48 credit points comprising:

- IBL Unit 3 (9 credit points); and
- Field Education 2A and 2B which includes field education of not fewer than 80 days and such attendance at classes as may be prescribed by the Faculty (24 credit points); and
- IBL unit 4 (9 credit points); and
- Integrative Studies (6 credit points)

Honours

An honours stream is available to eligible students in years 3 and 4.

Social Work units of study

Year 1

SCLG1001

Introduction to Sociology 1

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%)

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

Credit points: 6 **Teacher/Coordinator:** Dr Catriona Elder **Session:** Semester 2 **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%)

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

Year 2

SCWK2004

Psychology for Social Work 201

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

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.

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.

SCPL2601

Australian Social Policy

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%)

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

KOCR2600

Indigenous Australia: An Introduction

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%).

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.

SCWK2005

Psychology for Social Work 202

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.

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.

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

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%)

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.

Year 3

SCWK3006

Issue Based Learning Unit 1

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%).

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

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%).

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

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%).

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.

SCWK3005 Field Education 1

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

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.

SCWK3009 Social Work Preliminary Honours

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%)

Note: Department permission required for enrolment.

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

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

Note: Department permission required for enrolment.

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.

Year 4

SCWK4002 Integrative Studies 402

Credit points: 6 **Teacher/Coordinator:** Dr Zita Weber **Session:** Semester 2 **Classes:** 12 hours/week **Prerequisites:** SCWK4003; SCWK4005 **Corequisites:** SCWK4004, SCWK4006 **Assessment:** Journal article (100%)

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

Credit points: 9 **Teacher/Coordinator:** Dr Lesley Laing **Session:** Semester 1 **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%).

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

Credit points: 9 **Teacher/Coordinator:** Dr Lindsey Napier **Session:** Semester 2 **Classes:** 12 hours/week (seminars and lectures) **Prerequisites:** SCWK4003; SCWK4005 **Corequisites:** SCWK4002, SCWK4006 **Assessment:** Group project and presentation (40%), essay (60%).

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

Credit points: 15 **Teacher/Coordinator:** Dr Fran Waugh **Session:** Semester 1 **Classes:** 2 hours/fortnight. **Prerequisites:** SCWK4003 **Assessment:** Pass/Fail

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

Credit points: 9 **Teacher/Coordinator:** Dr Fran Waugh **Session:** Semester 2 **Classes:** 2 hours/fortnight. **Prerequisites:** SCWK4005 **Prohibitions:** SCWK4007, SCWK4008 **Assessment:** Pass/Fail

This is the second part of a field education practicum of 80 days.

Table of Bachelor of Social Work units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Year 1			
SCLG1001 Introduction to Sociology 1	6		Semester 1 Summer Early
SCLG1002 Introduction to Sociology 2	6		Semester 2
Year 2			
SCWK2004 Psychology for Social Work 201	6	P 48 junior credit points <i>This unit is only available to students enrolled in the Bachelor of Social Work and combined Bachelor of Arts/Bachelor of Social Work degrees.</i>	Semester 1
SCPL2601 Australian Social Policy	6	P SCLG1001 and SCLG1002 N SCPL3001	Semester 1
KOCR2600 Indigenous Australia: An Introduction	6	P 18 Junior credit points N KOCR2100	Semester 1 Semester 2
SCWK2005 Psychology for Social Work 202	6	P 48 junior credit points. <i>This unit is only available to students enrolled in the Bachelor of Social Work and combined Bachelor of Arts/Bachelor of Social Work degrees.</i>	Semester 2
SCWK2006 Research Skills for Social Work	6	P 48 junior credit points N SCLG2602	Semester 2
Year 3			
SCWK3006 Issue Based Learning Unit 1	8	P 96 Credit points to include SCPL2601; KOCR2600; SCLG2602 or SCWK2006; Either SCWK2004 and SCWK2005 or 12 intermediate Psychology credit points. C SCWK3007, SCWK3008	Semester 1
SCWK3007 Issue Based Learning Unit 2	8	P 96 Credit points to include SCPL2601; KOCR2600; SCLG2602 or SCWK2006; Either SCWK2004 and SCWK2005 or 12 intermediate Psychology credit points. C SCWK3006, SCWK3008	Semester 1
SCWK3008 Professional Practice	8	P 96 Credit points to include SCPL2601; KOCR2600; SCLG2602 or SCWK2006; Either SCWK2004 and SCWK2005 or 12 intermediate Psychology credit points. C SCWK3006, SCWK3007	Semester 1
SCWK3005 Field Education 1	24	P SCWK3006, SCWK3007, SCWK3008 N SCWK3009, SCWK3010	Semester 2
SCWK3009 Social Work Preliminary Honours	6	P SCWK3006, SCWK3007 and SCWK3008 C SCWK3010 N SCWK3005 <i>Note: Department permission required for enrolment</i>	Semester 2
SCWK3010 Field Education 1 Honours	18	P SCWK3006, SCWK3007 and SCWK3008 C SCWK3009 N SCWK3005 <i>Note: Department permission required for enrolment</i>	Semester 2
Year 4			
SCWK4002 Integrative Studies 402	6	P SCWK4003; SCWK4005 C SCWK4004, SCWK4006	Semester 2b
SCWK4003 Issue Based Learning Unit 3	9	P SCWK3005; SCWK3006; SCWK3007; SCWK3008	Semester 1a
SCWK4004 Issue Based Learning Unit 4	9	P SCWK4003; SCWK4005 C SCWK4002, SCWK4006	Semester 2a
SCWK4005 Field Education 2A	15	P SCWK4003	Semester 1b
SCWK4006 Field Education 2B	9	P SCWK4005 N SCWK4007, SCWK4008	Semester 2a

4. Education units of study

Education 1 (all Education students)

EDUF1018

Education, Teachers and Teaching

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).

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

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.

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.

Science Foundations (Primary students)

EDUF1016

Science Foundations 1

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 on **Assessment:** Assessment will be based upon assignments, practical work, and field work (40%) and a semester examination (60%).

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

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%).

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.

Education 2 (all Education students)

EDUF2006

Educational Psychology

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.

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

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.

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.

Education 3 (all Education students)

EDUF3031

Positive Approaches to Special Education

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).

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.

Education 3 Options

EDUF3023

Sports, Leisure and Youth

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.

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

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.

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

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.

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

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.

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**

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%)

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**

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).

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.

EDUF3032**Curriculum and Evaluation**

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%.

'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**

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).

This unit of study will examine the nature of the 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**

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%

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**

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%

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.

Education 4 (all Education students)**EDUF4044****Reading and Designing Research**

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%)

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.

Primary students enrol in Semester 2. HMHE and Combined degree students enrol in Semester 1.

Education Honours

EDUF4005

Research Honours A

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%);

Note: Department permission required for enrolment.

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

Credit points: 6 **Teacher/Coordinator:** Assoc. Prof. Jennifer O'Dea **Session:** Semester 2 **Classes:** 12 x 2 hr weekly workshops with the supervisor. **Prerequisites:** EDUF4005 **Assessment:** Honours Dissertation 10000 wds

Note: Department permission required for enrolment.

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.

Secondary: combined degrees (BEd and BA, BEd(Maths) and BSc, BEd(Sc) and BSc)

Year 2 Professional Studies (compulsory units)

EDSE2001

Craft Knowledge and Prof Practices 1

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%).

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.

Year 3 Professional Studies (compulsory units)

EDSE3072

Craft Knowledge and Prof Practices 2

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%).

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

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

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.

Year 3 Curriculum Units

EDSE3037

Teaching Visual Arts 1A

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

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

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

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.

EDSE3056

Teaching Visual Arts 2A

Credit points: 6 **Teacher/Coordinator:** Dr Marianne Hulbosch **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)

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

Credit points: 6 **Teacher/Coordinator:** Dr Marianne Hulbosch **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

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.

EDSE3040

Teaching History 1

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%

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.

EDSE3058

Teaching History 2

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%

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.

EDSE3041

Teaching Geography 1

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.

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.

EDSE3059

Teaching Geography 2

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.

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.

EDSE3042

Teaching Drama 1

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.

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.

EDSE3060

Teaching Drama 2

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.

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.

EDSE3043

Teaching TESOL 1

Credit points: 6 **Teacher/Coordinator:** Ms Theodora Lafkas **Session:** Semester 1b **Classes:** 4 hrs/week **Prerequisites:** 54 credit points including

4. Education units of study

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

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.

EDSE3061 **Teaching TESOL 2**

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

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.

EDSE3044 **Teaching English 1**

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.

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.

EDSE3062 **Teaching English 2**

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).

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.

EDSE3045 **Teaching Mathematics 1A**

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).

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**

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).

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.

EDSE3063 **Teaching Mathematics 2A**

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).

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**

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).

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.

EDSE3047 **Teaching Languages 1A**

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.

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**

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.

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.

EDSE3065**Teaching Languages 2A**

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.

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.

EDSE3071**Teaching Languages 2B**

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.

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.

EDBT5610**Classical Hebrew & Judaism Curriculum 1**

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

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.

EDBT5660**Classical Hebrew & Judaism Curriculum 2**

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

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.

EDSE3049**Teaching Computer Studies 1**

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.

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.

EDSE3066**Teaching Computer Studies 2**

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.

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.

EDSE3050**Teaching Commerce/Economics 1**

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.

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.

EDSE3067

Teaching Commerce/Economics 2

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.

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.

EDSE3051

Teaching Science 1 (Core)

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.

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.

EDSE3068

Teaching Science 2 (Core)

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.

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.

EDSE3052

Teaching Science Elective (Chemistry)

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

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)

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

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)

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

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.

Year 4 Professional Studies (compulsory units)

EDSE4042

Craft Knowledge and Prof Practices 3

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.

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

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

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**

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.

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.

Year 4 Curriculum Units**EDSE4021****Teaching Visual Arts 3A**

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)

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**

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)

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**

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

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**

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.

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**

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.

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**

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

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**

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.

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**

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)

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**

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).

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**

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.

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**

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.

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.

EDBT6610**Classical Hebrew & Judaism Curriculum 3**

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

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.

EDSE4032**Teaching Computer Studies 3**

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.

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**

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.

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)**

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

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)**

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

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)**

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

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.

Year 5 Professional Studies (compulsory units)

EDSE5008

Internship

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)

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.

Year 5 Curriculum Units

EDSE5001

TESOL as a Third Teaching Area

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.

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.

EDSE5009

TESOL Professional Experience

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.

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

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.

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.

EDGU2000

Teaching English Internationally 1

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).

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

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)

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.

EDBT5000

International Curriculum

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.

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.

Secondary: BEd and BA(Psych), BEd and BSc(Psych)

Year 5 Professional Studies (compulsory units)

EDSP5001

Counselling Children and Adolescents

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

4. Education units of study

points of Education **Assessment:** Case Study Value: 50%; 2500 words Pamphlet and resource folder Value: 50%

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**

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%).

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**

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.

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**

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.

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.

BEd (Secondary: Human Movement and Health Education)

Year 1 Curriculum and Professional Studies

EDUH1005 **Professional Practice in PDHPE 1**

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

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**

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%).

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**

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%)

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.

EDUH1017**Sports Mechanics**

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%).

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.

Year 2 Curriculum and Professional Studies**EDUH2001****Applied Anatomy and Physiology**

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%)

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**

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%).

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**

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%)

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**

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%) .

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**

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)

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.

Year 3 Curriculum and Professional Studies**EDUH3004****Psychosocial Health Issues**

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%)

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**

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).

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 developed during their previous professional experience block.

EDUH3008

Physical Education Pedagogy 3

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%)

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

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%).

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

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%).

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

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.

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

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%).

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.

Year 4 Curriculum and Professional Studies

EDUH4002

Physical Education Pedagogy 5

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%).

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

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).

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

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)

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

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%)

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.

Year 4 Options

EDUH4052

Learning in Outdoor Education

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%)

Note: Department permission required for enrolment.

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

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.

Note: Department permission required for enrolment.

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

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%).

Note: Department permission required for enrolment.

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

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%)

Note: Department permission required for enrolment.

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

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%).

Note: Department permission required for enrolment.

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

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%).

Note: Department permission required for enrolment.

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.

BEd (Primary)

Year 1 Curriculum and Professional Studies

EDUP1001

Creative Arts 1

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

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

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%).

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.

Year 2 Curriculum and Professional Studies

EDUP2002

English: Learning to be Literate

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%)

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

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%).

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

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%)

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

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%).

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

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

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).

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.

Year 3 Curriculum and Professional Studies

EDUP3001

PDHPE 2: Active Healthy Primary Schools

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%)

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

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%).

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

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.

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

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%).

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

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

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

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%).

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)

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.

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

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

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

Credit points: 4 **Session:** Semester 2 **Classes:** 1 hr 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.

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.

Year 4 Curriculum and Professional Studies

EDUP4074

Mathematics Education 3

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%).

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)

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).

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

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%)

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

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.

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.

EDUP4017

Professional Experiences 4 (Primary)

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.

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.

EDUP4079

Professional Experiences 3 (Primary)

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

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

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%).

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.

Year 4 Options

EDUP4007

Primary Languages A

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%)

Note: Department permission required for enrolment.

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

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%)

Note: Department permission required for enrolment.

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**

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 EDUF3031 **Assessment:** Theory to Practice paper (40%); Application Task (40%); and Tutorial (20%).

Note: Department permission required for enrolment.

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**

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%)

Note: Department permission required for enrolment.

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.

EDUP4062**Gifted and Talented Education A**

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)

Note: Department permission required for enrolment.

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**

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).

Note: Department permission required for enrolment.

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**

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).

Note: Department permission required for enrolment.

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**

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).

Note: Department permission required for enrolment.

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**

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.

Note: Department permission required for enrolment.

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**

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.

Note: Department permission required for enrolment.

4. Education units of study

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

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.

Note: Department permission required for enrolment.

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

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

Note: Department permission required for enrolment.

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)

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)

Note: Department permission required for enrolment.

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)

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)

Note: Department permission required for enrolment.

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.

Education Exchange

Year 2 Education Exchange

EDUF2553

Education Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Year 3 Education Exchange

EDUF3553

Education Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

EDUF3554

Education Exchange

Credit points: 24 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Year 4 Education Exchange

EDUF4553

Education Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Year 5 Education Exchange

EDUF5556

Education Exchange

Credit points: 24 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Table of Bachelor of Education units of study

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Education 1 (all Education students)			
EDUF1018 Education, Teachers and Teaching	6	N EDUF1011	Semester 1
EDUF1019 Human Development and Education	6	N EDUF1012	Semester 2
Science Foundations (Primary students)			
EDUF1016 Science Foundations 1	6		Semester 1
EDUF1017 Science Foundations 2	6		Semester 2
Education 2 (all Education students)			
EDUF2006 Educational Psychology	6	P (EDUF1018 and EDUF1019) or 30 junior credit points	Semester 1
EDUF2007 Social Perspectives on Education	6	P (EDUF1018 and EDUF1019) or 30 junior credit points	Semester 2
Education 3 (all Education students)			
EDUF3031 Positive Approaches to Special Education	6	P 42 credit points	Semester 1 Semester 2
Education 3 Options			
EDUF3023 Sports, Leisure and Youth	6	P 42 credit points	Semester 1
EDUF3026 Global Poverty and Education	6	P 42 credit points.	Semester 1
EDUF3027 International Education	6	P 42 credit points	Semester 2
EDUF3028 Mentoring in Educational Contexts	6	P 42 credit points	Semester 1
EDUF3029 Psychology of Learning and Teaching	6	P 42 credit points and EDUF2006	Semester 2
EDUF3030 Australian Secondary Schooling	6	P 42 credit points	Semester 1
EDUF3032 Curriculum and Evaluation	6	P 42 credit points	Semester 2
EDUF3034 Australian Theatre, Film and Learning	6	P 42 credit points	Semester 1 Semester 2
EDUF3035 Multicultural Learning and Teaching	6	P 42 credit points	Semester 1 Summer Main
EDUF3036 Arts-Based Learning and Teaching	6	P 42 credit points	Semester 2
Education 4 (all Education students)			
EDUF4044 Reading and Designing Research	6	P 120 credit points including (EDUF2005 or EDUF2006) and (EDUF2002 or EDUF2007)	Semester 1 Semester 2
Primary students enrol in Semester 2. HMHE and Combined degree students enrol in Semester 1.			
Education Honours			
EDUF4005 Research Honours A	6	<i>Note: Department permission required for enrolment</i>	Semester 1
EDUF4006 Research Honours B	6	P EDUF4005 <i>Note: Department permission required for enrolment</i>	Semester 2
Secondary: combined degrees (BEd and BA, BEd(Maths) and BSc, BEd(Sc) and BSc)			
Year 2 Professional Studies (compulsory units)			
EDSE2001 Craft Knowledge and Prof Practices 1	6	P 48 credit points including 18 credit points of Education	Semester 2
Year 3 Professional Studies (compulsory units)			
EDSE3072 Craft Knowledge and Prof Practices 2	4	P 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.	Semester 2

4. Education units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
EDSE3073 Professional Experience A	2	P 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	Semester 2
Year 3 Curriculum Units			
EDSE3037 Teaching Visual Arts 1A	6	P 54 credit points including 24 credit points of Education including EDSE2001 and 12 senior credit pts of Art History and Theory C Practical art course taken at The Tin Sheds	Semester 1b
EDSE3038 Teaching Visual Arts 1B	6	P 54 credit points including 24 credit points of Education including EDSE2001 & 12 senior credit points of Art History and Theory C Practical art course taken at The Tin Sheds.	Semester 1b
EDSE3056 Teaching Visual Arts 2A	6	P EDSE3037 and Practical art course taken at The Tin Sheds. C Advanced practical art course taken at The Tin Sheds.	Semester 2
EDSE3057 Teaching Visual Arts 2B	6	P EDSE3037 and EDSE3038 and Practical art course taken at The Tin Sheds C Advanced practical art course taken at The Tin Sheds and EDSE3056	Semester 2
EDSE3040 Teaching History 1	6	P 54 credit pts including 24 credit pts of Education including EDSE2001 and 12 Senior credit pts of History	Semester 1b
EDSE3058 Teaching History 2	6	P EDSE3040 plus 12 senior credit points of History.	Semester 2
EDSE3041 Teaching Geography 1	6	P 54 credit points including 24 credit points of Education including EDSE2001 and 12 Intermediate credit points of Geography	Semester 1b
EDSE3059 Teaching Geography 2	6	P EDSE3041 Teaching Geography 1 plus 12 intermediate credit points of geography	Semester 2
EDSE3042 Teaching Drama 1	6	P 48 credit pts including 24 credit pts of Education and EDSE2001 and 12 Senior credit pts of Performance Studies	Semester 1b
EDSE3060 Teaching Drama 2	6	P EDSE3042 plus 12 senior credit points of Performance Studies	Semester 2
EDSE3043 Teaching TESOL 1	6	P 54 credit points including 24 credit points of Education and EDSE2001 plus 12 Senior credit points of either Linguistics, English, or Languages.	Semester 1b
EDSE3061 Teaching TESOL 2	6	P EDSE3043 Teaching TESOL 1 plus 12 Senior credit points of either Linguistics, English or Languages	Semester 2
EDSE3044 Teaching English 1	6	P 54 Credit Points including 24 credit points of Education and EDSE2001 and 12 Senior credit pts of English or Australian Literature	Semester 1b
EDSE3062 Teaching English 2	6	P EDSE3044 plus 12 senior credit points of English	Semester 2
EDSE3045 Teaching Mathematics 1A	6	P 54 credit points including 24 credit points of Education and EDSE2001 and 12 credit points of Intermediate Mathematics	Semester 1b
EDSE3046 Teaching Mathematics 1B	6	P 54 credit points including 24 credit points of Education and EDSE2001 and 12 credit points of Intermediate Mathematics. C EDSE3045	Semester 1b
EDSE3063 Teaching Mathematics 2A	6	P EDSE3045 plus 12 credit points of intermediate mathematics or statistics	Semester 2
EDSE3064 Teaching Mathematics 2B	6	P EDSE3045, EDSE3046 and 12 credit points of intermediate mathematics or statistics C EDSE3063	Semester 2
EDSE3047 Teaching Languages 1A	6	P 54 credit points including 24 credit points of Education and EDSE2001 plus 12 credit points of Intermediate Languages	Semester 1b
EDSE3048 Teaching Languages 1B	6	P 54 credit points including 24 credit points of Education and EDSE2001 plus 12 credit points of Intermediate Languages C EDSE3047	Semester 1b
EDSE3065 Teaching Languages 2A	6	P EDSE3047 and 12 senior credit points of languages	Semester 2
EDSE3071 Teaching Languages 2B	6	P EDSE3047 and EDSE3048 and 12 senior credit points of languages C EDSE3065	Semester 2
EDBT5610 Classical Hebrew & Judaism Curriculum 1	6	P 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	Semester 1b
EDBT5660 Classical Hebrew & Judaism Curriculum 2	6	P EDBT5610 Classical Hebrew & Judaism Curriculum 1	Semester 2
EDSE3049 Teaching Computer Studies 1	6	P 54 credit points including 24 credit points of Education and EDSE2001 and 12 credit points of Intermediate Computer Studies	Semester 1b
EDSE3066 Teaching Computer Studies 2	6	P EDSE3049 and 12 intermediate credit points of computer studies	Semester 2
EDSE3050 Teaching Commerce/Economics 1	6	P 54 credit points including 24 credit points of Education and EDSE2001 and 12 Intermediate credit points of Economics or Political Economy	Semester 1b
EDSE3067 Teaching Commerce/Economics 2	6	P EDSE3050 Teaching Commerce/Economics 1 and 12 intermediate credit points of economics or political economy	Semester 2
EDSE3051 Teaching Science 1 (Core)	6	P 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.	Semester 1b
EDSE3068 Teaching Science 2 (Core)	6	P EDSE3051 Teaching Science 1 (Core) and 12 intermediate credit points of science	Semester 2
EDSE3052 Teaching Science Elective (Chemistry)	6	P 54 credit points including 24 credit points of Education and EDSE2001 and 12 intermediate credit points of Chemistry and 12 credit points of Mathematics C EDSE3051	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
EDSE3053 Teaching Science Elective (Senior Sci)	6	P 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. C EDSE3051	Semester 2
EDSE3054 Teaching Science Elective (Biology)	6	P 54 credit points including 24 credit points of Education and EDSE2001 and 12 intermediate credit points of Biology. C EDSE3051	Semester 1b
Year 4 Professional Studies (compulsory units)			
EDSE4042 Craft Knowledge and Prof Practices 3	6	P 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	Semester 1
EDSE4043 Professional Experience B	2	P 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 C EDSE4042 and EDSE4044	Semester 1
EDSE4044 Information Technology in Schools	4	P 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. C EDSE4042, EDSE4043 N EDSE4038	Semester 2
Year 4 Curriculum Units			
EDSE4021 Teaching Visual Arts 3A	6	P EDSE3037 and EDSE3056 C EDSE4042, EDSE4043 and EDSE4044	Semester 1a
EDSE4022 Teaching Visual Arts 3B	6	P EDSE3037, EDSE3038, EDSE3056, EDSE3057 and Practical art course taken at The Tin Sheds. C EDSE4021, EDSE4042, EDSE4043, EDSE4044 and Advanced practical art course taken at The Tin Sheds.	Semester 1a
EDSE4023 Teaching History 3	6	P EDSE3040 and EDSE3058 C EDSE4042, EDSE4043 and EDSE4044	Semester 1a
EDSE4024 Teaching Geography 3	6	P EDSE3041 Teaching Geography 1 & EDSE3059 Teaching Geography 2 C EDSE4042, EDSE4043 and EDSE4044	Semester 1a
EDSE4025 Teaching Drama 3	6	P EDSE3042 and EDSE3060 plus 12 credit pts of Performance Studies C EDSE4042, EDSE4043 and EDSE4044	Semester 1a
EDSE4026 Teaching TESOL 3	6	P EDSE3043 and EDSE3061 C EDSE4042, EDSE4043 and EDSE4044	Semester 1a
EDSE4027 Teaching English 3	6	P EDSE3044 and EDSE3062 C EDSE4042, EDSE4043 and EDSE4044	Semester 1a
EDSE4028 Teaching Mathematics 3A	6	P EDSE3045 and EDSE3063 C EDSE4042, EDSE4043 and EDSE4044	Semester 1a
EDSE4029 Teaching Mathematics 3B	6	P EDSE3045, EDSE3046, EDSE3063 and EDSE3064 C EDSE4028, EDSE4042, EDSE4043 and EDSE4044	Semester 1a
EDSE4030 Teaching Languages 3A	6	P EDSE3047 and EDSE3065 C EDSE4042, EDSE4043 and EDSE4044	Semester 1a
EDSE4031 Teaching Languages 3B	6	P EDSE3047, EDSE3048, EDSE3065 and EDSE3071 C EDSE4030, EDSE4042, EDSE4043 and EDSE4044	Semester 1a
EDBT6610 Classical Hebrew & Judaism Curriculum 3	6	P EDBT5660 Classical Hebrew & Judaism Curriculum 2	Semester 1
EDSE4032 Teaching Computer Studies 3	6	P EDSE3049 Teaching Computer Studies 1 and EDSE3066 Teaching Computer Studies 2 C EDSE4042, EDSE4043 and EDSE4044	Semester 1a
EDSE4033 Teaching Commerce/Economics 3	6	P EDSE3050 and EDSE3067 C EDSE4042, EDSE4043 and EDSE4044	Semester 1a
EDSE4034 Teaching Science 3 (Core)	6	P EDSE3051 and EDSE3068 C EDSE4042, EDSE4043 and EDSE4044	Semester 1a
EDSE4035 Teaching Science 4 (Sci Hist & Phil)	6	P EDSE3051 and EDSE3068 C EDSE4042, EDSE4043 and EDSE4044	Semester 1
EDSE4041 Teaching Science Elective (Physics)	6	P 54 credit points including 24 credit points of Education and EDSE2001 and 12 credit points of Physics	Semester 1
Year 5 Professional Studies (compulsory units)			
EDSE5008 Internship	6	P 144 credit points including 78 of Education and (EDSE3055 or EDSE3073) and (EDSE4040 or EDSE4043)	Semester 1
Year 5 Curriculum Units			
EDSE5001 TESOL as a Third Teaching Area	12	P 144 credit points including 78 credit points of Education and 24 credit points of English, Linguistics or a Language other than English C EDSE5008 and EDSE5009	Semester 1
EDSE5009 TESOL Professional Experience	6	P 144 credit points including 78 credit points of Education and 24 Credit Points from English, Linguistics and/or a Language other than English C EDSE5001 and EDSE5008	Semester 1
EDSE5010 Meeting the Needs of Cultural Diversity	12	P 144 credit points including 78 credit points of Education C EDBT5000 and EDSE5008	Semester 1
EDGU2000 Teaching English Internationally 1	6	P 144 credit points including 78 credit points of Education C EDSE5008 and EDBT5000	Semester 1

4. Education units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
EDGU3000 Teaching English Internationally 2	6	P 144 credit points including 78 credit points of Education C EDGU2000, EDSE5008 and EDBT5000	Semester 1
EDBT5000 International Curriculum	6	P 144 credit points including 78 credit points of Education C EDSE5008 and (EDGU2000 and EDGU3000) or EDSE5010	Semester 1
Secondary: BEd and BA(Psych), BEd and BSc(Psych)			
Year 5 Professional Studies (compulsory units)			
EDSP5001 Counselling Children and Adolescents	6	P Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; 50 credit points of Education	Semester 1
EDSP5002 Issues in School Counselling	4	P Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; 50 credit points of Education.	Semester 2
EDSP5003 Counselling Practicum 3	2	P Completed major in Psychology with a credit average in each of Intermediate and Senior Psychology units; 50 credit points of Education	Semester 1
EDSP5004 Counselling Practicum 4	4	P Completed major in Psychology with a Credit average in each of Intermediate & Senior Psychology units; 50 credit points of Education.	Semester 2
BEd (Secondary: Human Movement and Health Education)			
Year 1 Curriculum and Professional Studies			
EDUH1005 Professional Practice in PDHPE 1	6		Semester 1
EDUH1006 Identifying Health Determinants	6	P EDUH1005	Semester 2
EDUH1007 Pedagogy for Physical Education 1	6	P EDUH1005	Semester 2
EDUH1017 Sports Mechanics	6	A No assumed knowledge of Physics N PHYS1001, PHYS1002, PHYS1901	Semester 1
Year 2 Curriculum and Professional Studies			
EDUH2001 Applied Anatomy and Physiology	4	P 36 credit points including EDUF1018, EDUF1019 and EDUH1016	Semester 2
EDUH2005 Determinants of Health	4	P 36 credit points including EDUF1018 and EDUF1019	Semester 2
EDUH2008 Outdoor Education	4	P 36 credit points including EDUF1018 and EDUF1019.	Semester 2
EDUH2009 Physical Education Pedagogy 2	6	P 36 credit points including EDUF1018, EDUF1019 and EDUH1004	Semester 1
EDUH2010 Professional Experiences in PDHPE 1	6	P 36 junior credit points including 12 from Education.	Semester 1
Year 3 Curriculum and Professional Studies			
EDUH3004 Psychosocial Health Issues	4	P 48 credit points of Professional Studies in HMHE including EDUH2005	Semester 1
EDUH3007 Professional Experiences in PDHPE 2	6	P 48 credit points of Professional Studies in HMHE including EDUH2010	Semester 1
EDUH3008 Physical Education Pedagogy 3	4	P 48 credit points of Professional Studies in HMHE including EDUH2009	Semester 1
EDUH3009 Physical Education Pedagogy 4	6	P 48 credit points of Professional Studies in HMHE including EDUH3008	Semester 2
EDUH3014 Assessment and Evaluation in PDHPE	4	P 48 credit points of Professional Studies in HMHE including EDUH2010	Semester 2
EDUH3027 Exercise Physiology	6	P 48 credit points of Professional Studies in HMHE including EDUH2001	Semester 1
EDUH3028 Adolescent Health Issues	6	P 48 credit points of Professional Studies in HMHE including EDUH2005	Semester 2
Year 4 Curriculum and Professional Studies			
EDUH4002 Physical Education Pedagogy 5	6	P 84 credit points of Professional Studies in HMHE including EDUH3009	Semester 1
EDUH4048 Professional Experiences in PDHPE 3	6	P 84 credit points of professional studies in HMHE including EDUH3007	Semester 1
EDUH4050 Sports Medicine	6	P 84 credit points of Professional Studies in HMHE	Semester 2
EDUH4051 Community Health Issues	6	P 84 credit points of Professional Studies in HMHE including EDUH3028	Semester 2
Year 4 Options			
EDUH4052 Learning in Outdoor Education	6	P 84 credit points of Professional Studies in HMHE <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
EDUH4053 Indigenous Sport, Education and Culture	6	P 84 credit points of professional studies in HMHE <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
EDUH4054 Issues in Nutrition Education	6	P 84 credit points of Professional Studies in HMHE <i>Note: Department permission required for enrolment</i>	Semester 2
EDUH4055 Fitness Training: Theory and Practice	6	P 84 credit points of Professional Studies in HMHE. <i>Note: Department permission required for enrolment</i>	Semester 1
EDUH4057 Administration of PDHPE and Sport	6	P 84 credit points of Professional Studies in HMHE. <i>Note: Department permission required for enrolment</i>	Semester 2
EDUH4058 Sport and Learning in Australian Culture	6	P 84 credit points of Professional Studies in HMHE <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BEd (Primary)			
Year 1 Curriculum and Professional Studies			
EDUP1001 Creative Arts 1	6		Semester 2
EDUP1002 Language, the Learner and the School	6		Semester 1
Year 2 Curriculum and Professional Studies			
EDUP2002 English: Learning to be Literate	4	P EDUP1002	Semester 1
EDUP2004 PDHPE1: Physical Activity	4	P EDUP1002	Semester 1
EDUP2005 Mathematics 1: Exploring Early Number	4	P EDUP1002	Semester 2
EDUP2006 Indigenous Australian Education	4	P EDUP1002 <i>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</i>	Semester 1
EDUP2027 Beginning Professional Experiences	8	P EDUP1002, EDUF1018 and EDUF1019 N EDUP2003	Semester 2
Year 3 Curriculum and Professional Studies			
EDUP3001 PDHPE 2: Active Healthy Primary Schools	4	P 36 credit points of professional studies in Primary Education including EDUP2004	Semester 1
EDUP3002 Human Society and its Environment	4	P 36 credit points of professional studies in Primary Education	Semester 1
EDUP3003 Teaching in Multilingual Classrooms	4	P 36 credit points of professional studies in Primary Education	Semester 1
EDUP3004 Mathematics 2: Space and Measurement	4	P 36 credit points of professional studies in Primary Education including EDUP2005	Semester 2
EDUP3005 Investigating in Science and Technology	4	P 36 credit points of professional studies in Primary Education including EDUF1016, EDUF1017 and EDUP2027	Semester 2
EDUP3006 English: Becoming Literate	4	P 36 credit points of professional studies in Primary Education including EDUP1002 and EDUP2002	Semester 2
EDUP3007 Professional Experiences 2 (Primary)	4	P 36 credit points of professional studies in Primary Education including EDUP2027 N EDUP2003	Semester 2
EDUP3008 Creative Arts 2	4	P 36 credit points of professional studies in Primary Education including EDUP1001	Semester 1
EDUP3034 PDHPE 3: The Health Promoting School	4	P 36 credit points of professional studies in Primary Education including EDUP2004 and EDUP3001	Semester 2
Year 4 Curriculum and Professional Studies			
EDUP4074 Mathematics Education 3	4	P 72 credit points of Professional Studies in Primary Education including EDUP2005 and EDUP3004	Semester 1
EDUP4075 Science & Technology (Designing/Making)	4	P 72 credit points of professional studies in Primary Education including EDUP2027, EDUP3005, EDUF1016 and EDUF 1017	Semester 1
EDUP4076 English: Being Critically Literate	4	P 72 credit points of professional studies in Primary Education including EDUP2002 and EDUP3006	Semester 1
EDUP4077 Teaching Children with Special Needs	4	P 72 credit points of Professional Studies in Education including EDUP3004 and EDUP3006	Semester 2
EDUP4017 Professional Experiences 4 (Primary)	4	P 72 credit points of Professional Studies in Primary Education including EDUP1002, EDUP2027; EDUP3007; EDUP4079	Semester 2
EDUP4079 Professional Experiences 3 (Primary)	4	P 72 credit points of Professional Studies in Primary Education including EDU1002, EDUP2027 and EDUP3007	Semester 1

4. Education units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
EDUP4080 Human Society and its Environment 2	4	P 72 credit points of Professional Studies in Education including EDUP3002	Semester 2
Year 4 Options			
EDUP4007 Primary Languages A	4	P 72 credit points of Professional Studies in Primary Education <i>Note: Department permission required for enrolment</i>	Semester 1
EDUP4008 Primary Languages B	4	P EDUP4007 <i>Note: Department permission required for enrolment</i>	Semester 2
EDUP4009 Special Education (A) Special Course	4	P 72 credit points of Professional Studies in Primary Education and EDUF3031 <i>Note: Department permission required for enrolment</i>	Semester 1
EDUP4010 Special Education (B) Special Course	4	P EDUP4009 <i>Note: Department permission required for enrolment</i>	Semester 2
EDUP4062 Gifted and Talented Education A	4	P 72 credit points of professional studies in Primary Education <i>Note: Department permission required for enrolment</i>	Semester 1
EDUP4063 Gifted and Talented Education B	4	P EDUP4062 Gifted and Talented Education A <i>Note: Department permission required for enrolment</i>	Semester 2
EDUP4066 IT in the Primary Classroom A	4	P 72 credit points of Professional Studies in Primary Education including EDUP3003 and EDUP3007 <i>Note: Department permission required for enrolment</i>	Semester 1
EDUP4067 IT in the Primary Classroom B	4	P EDUP4066 <i>Note: Department permission required for enrolment</i>	Semester 2
EDUP4068 TESOL (A) Special Course	4	P 72 credit points of Professional Studies in Primary Education including EDUP3003 & EDUP3007 <i>Note: Department permission required for enrolment</i>	Semester 1
EDUP4069 TESOL (B) Special Course	4	P EDUP4068 <i>Note: Department permission required for enrolment</i>	Semester 2
EDUP4070 Integrated Arts (A) Special Course	4	P 72 credit points of Professional Studies in Primary Education and EDUP1001 and EDUP3008 <i>Note: Department permission required for enrolment</i>	Semester 1
EDUP4071 Integrated Arts (B) Special Course	4	P EDUP4070 <i>Note: Department permission required for enrolment</i>	Semester 2
EDUP4072 Koori Kids in School A (Special Course)	4	P 72 credit points of Professional Studies in Primary Education <i>Note: Department permission required for enrolment</i>	Semester 1
EDUP4073 Koori Kids in School B (Special Course)	4	P EDUP4072 <i>Note: Department permission required for enrolment</i>	Semester 2
Education Exchange			
Year 2 Education Exchange			
EDUF2553 Education Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Year 3 Education Exchange			
EDUF3553 Education Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
EDUF3554 Education Exchange	24	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Year 4 Education Exchange			
EDUF4553 Education Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Year 5 Education Exchange			
EDUF5556 Education Exchange	24	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

5. Arts units of study

American Studies

AMST2601

American Foundations

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)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

Credit points: 6 **Teacher/Coordinator:** Dr S Gleeson-White **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

See AMST2801

AMST2803

American Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

See AMST2801

AMST2804

American Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

See AMST2801

AMST2805

American Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

See AMST2801

AMST2806

American Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

See AMST2801

USSC2601

U.S. in the World

Credit points: 6 **Teacher/Coordinator:** Professor Geoffrey Garrett **Session:** Semester 1 **Classes:** one 1 hour lecture and one 1 hour tutorial per week **Prerequisites:** 18 junior credit points **Assessment:** four 1000 word critical reviews and one 2000 word essay

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.

Ancient History

ANHS1600

Foundations for Ancient Greece

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

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

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

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

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)

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ANHS2601

Ancient Imperialism

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

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

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

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

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

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

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

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ANHS2805

Ancient History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ANHS2806

Ancient History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ANHS2810

Ancient History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ANHS2811

Ancient History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ANHS3610

Research Issues in Ancient Greek Studies

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

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

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

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

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.

Anthropology

ANTH1001

Cultural Difference: An Introduction

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%)

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

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%)

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ANTH1802

Social Anthropology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ANTH2601

The Ethnography of Southeast Asia

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%).

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

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%)

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

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%)

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

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%)

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

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%)

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

Credit points: 6 **Teacher/Coordinator:** Dr Gaynor Macdonald **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

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

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

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**

Credit points: 6 **Teacher/Coordinator:** TBA **Session:** Semester 1 **Classes:** One 2 hour seminar per week **Prerequisites:** 12 junior credit points in Anthropology. **Prohibitions:** ANTH3911 **Assessment:** 2,500 words of written work (60%) and 2 hours of examinations (40%)

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**

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

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**

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

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 Maharashtra 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**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ANTH2805**Social Anthropology Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ANTH2806**Social Anthropology Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ANTH2810**Social Anthropology Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ANTH2811**Social Anthropology Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ANTH3601**Contemporary Theory and Anthropology**

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

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**

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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.

Arabic Language, Literature and Culture**ARBC1611****Arabic Introductory 1B**

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).

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**

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).

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**

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%).

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**

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%).

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**

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).

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**

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).

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**

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARBC2812**Arabic Exchange**

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARBC2813**Arabic Exchange**

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARBC2814**Arabic Exchange**

Credit points: 6 **Teacher/Coordinator:** Dr Nijmeh Hajjar **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARBC3615**Arabic Language and Literature 5B**

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%).

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**

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%).

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

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).

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

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).

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

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).

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

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).

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.

Arab World, Islam and The Middle East

ARIS1671

Arabs, Islam & Middle East: Introduction

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.

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

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.

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

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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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**

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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARIS2802**Arab World Islam & Middle East Exchange**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARIS2803**Arab World Islam & Middle East Exchange**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARIS2804**Arab World Islam & Middle East Exchange**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARIS2805**Arab World Islam & Middle East Exchange**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARIS2806**Arab World Islam & Middle East Exchange**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Ahmad Shboul **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARIS3680**Approaches to Arabic and Islamic Studies**

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).

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.

Archaeology**ARCA1001****Ancient Civilisations**

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

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**

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

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**

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

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**

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

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**

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

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**

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

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**

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

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**

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

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**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ARCA2802**Archaeology Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ARCA2803**Archaeology Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ARCA2804**Archaeology Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ARCA2805**Archaeology Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ARCA2806**Archaeology Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ARCA2807**Archaeology Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ARCA2808**Archaeology Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ARCA3600**Archaeological Research Principles**

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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**

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

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.

Archaeology (Classical)

ARCL1801

Archaeology (Classical) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARCL2804

Archaeology (Classical) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARCL2805

Archaeology (Classical) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARCL2806

Archaeology (Classical) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARCL2810

Archaeology (Classical) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARCL2811

Archaeology (Classical) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Archaeology (Near Eastern)

ARNE1801

Archaeology (Near Eastern) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARNE2603

Introduction to the Archaeology of Iran

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

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

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

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

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

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARNE2805

Archaeology (Near Eastern) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARNE2806

Archaeology (Near Eastern) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARNE2810

Archaeology (Near Eastern) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARNE2811

Archaeology (Near Eastern) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Archaeology (Prehistoric and Historical)

ARPH1801

Archaeology (Prehistoric & Historic) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARPH2602

Scientific Analysis of Materials

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

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

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

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**

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

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**

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

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**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARPH2805**Archaeology (Prehistoric & Historic) Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARPH2806**Archaeology (Prehistoric & Historic) Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Art History and Theory

ARHT1001**Art and Experience**

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.

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**

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

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**

Credit points: 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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**

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%)

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**

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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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

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

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

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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

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

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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

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

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

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

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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

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

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

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).

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

Credit points: 6 **Teacher/Coordinator:** Dr L Jayamane **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

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.

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

Credit points: 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 2 **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

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

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)

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

Credit points: 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Teacher/Coordinator:** Dr K Broadfoot **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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.

Arts (no major available)

ARTS2600

Internship 1

Credit points: 6 **Teacher/Coordinator:** Kirk Doyle **Session:** Semester 1, Semester 2 **Assessment:** 4 workshops of 2 hours, 2,500 word report

Note: Department permission required for enrolment. Note: only available to incoming Study Abroad students

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARTS2802

Arts Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARTS2803

Arts Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ARTS2804

Arts Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Asian Studies

ASNS1101

Introduction to Chinese Civilisation

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%).

Note: No prior knowledge is assumed. All teaching and all assigned readings are in English; however, a Chinese-language tutorial option may be provided.

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

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%).

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

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%).

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ASNS2612

Chinese Religions in Modernity

Credit points: 6 **Teacher/Coordinator:** Prof Mayfair Yang **Session:** Semester 1 **Classes:** 2 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 research paper (40%), 2-hour exam (40%), 1000-word oral presentation abstract (20%).

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

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.

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

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.

5. Arts units of study

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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.

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

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%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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%).

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ASNS2652

Asian Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ASNS2653

Asian Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ASNS2654

Asian Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ASNS2655

Asian Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ASNS2656

Asian Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ASNS2661

History of Modern Indonesia

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%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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.

ASNS2663

Social Activism in Southeast Asia

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%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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).

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

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).

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

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%).

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

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%.

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.

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

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%).

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

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%).

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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

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%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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.

Australian Literature (see English)

Australian Studies

ASTR2601

Australia: Land and Nation

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%)

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.

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)

Biblical Studies

BBCL1001

Biblical Studies 1

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%).

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

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%).

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

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%).

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

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%).

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.

Celtic Studies

CLST2601

Defining the Celts

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

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

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.

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**

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.

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**

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

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (advanced) degree programme

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**

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

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**

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

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (advanced) degree programme

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**

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.

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (advanced) degree programme

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.

Chinese Studies**CHNS1101****Chinese 1A (For Beginners)**

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%).

Note: Students must attend a placement interview with a staff member of the department of Chinese Studies prior to enrolment.

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)**

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%).

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)**

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).

Note: Students must attend a placement interview with a staff member of the department of Chinese Studies prior to enrolment.

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)**

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).

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**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

See under CHNS1801.

CHNS2601**Chinese 2A (Lower Intermediate)**

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).

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)**

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).

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**

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%).

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**

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%).

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**

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.

Note: Department permission required for enrolment.

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****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

All details as for CHNS2650.

CHNS2652**Chinese In-Country Study C****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

All details as for CHNS2650.

CHNS2653**Chinese In-Country Study D****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

All details as for CHNS2650.

CHNS2654**Chinese In-Country Study E****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

All details as for CHNS2650.

CHNS2655**Chinese In-Country Study F****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

All details as for CHNS2650.

CHNS2656**Chinese In-Country Study G****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

All details as for CHNS2650.

CHNS2657**Chinese In-Country Study H****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

All details as for CHNS2650.

CHNS2810**Chinese Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

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****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

See under CHNS2810.

CHNS2812**Chinese Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

See under CHNS2810.

CHNS2813**Chinese Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

See under CHNS2810

CHNS3601**Chinese 3A (Upper Intermediate)****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%).

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)****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%).

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)****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%).

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)**

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%).

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**

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%).

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**

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%).

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)**

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%).

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)**

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%).

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**

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).

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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**

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).

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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**

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%)

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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**

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).

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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.

Classical Studies**CLCV1801****Classical Civilisation Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

CLCV1802**Classical Civilisation Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

CLSS2603**Greek and Roman Literature - Epic**

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

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**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

CLSS2805**Classical Civilisation Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Comparative Literary Studies (see International Comparative Literary Studies)**Cultural Studies****GCST2601****Introducing Media and Popular Culture**

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:** one learning journal, one 1000 word textual analysis and one 2000 word take-home exam

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.

GCST2603**Animal/Human Cultures**

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

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.

GCST2606**Genres in Cultural Context**

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

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.

GCST2608**Gender, Communities and Difference**

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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.

GCST2612

Youth Cultures: Images & Ideas of Youth

Credit points: 6 **Teacher/Coordinator:** Dr Catherine Driscoll **Session:** Semester 1 **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
Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

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.

GCST2812

Cultural Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

GCST2813

Cultural Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

GCST2814

Cultural Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

GCST2815

Cultural Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

GCST2816

Cultural Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

GCST2817

Cultural Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

GCST2818

Cultural Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

GCST2819

Cultural Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

GCST3603

Consumer Cultures

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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.

Digital Cultures

ARIN2600

Technocultures

Credit points: 6 **Teacher/Coordinator:** Dr C Cheshier **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.

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

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

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/

ARIN2620 Cyberworlds

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.

Note: May be cross-listed for a Sociology major

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

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)

Note: May be cross-listed for an Art History and Theory major.

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

Credit points: 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Teacher/Coordinator:** Dr C Chesher **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

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)

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

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)

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

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

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

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.

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

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.

Note: Department permission required for enrolment. Note: Students will usually not enrol in ARIN3670 until the second semester of their 3rd year.

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

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

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.

English

ENGL1002

Narratives of Romance and Adventure

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

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

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

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

Credit points: 6 **Teacher/Coordinator:** Dr B Brennan **Session:** Semester 1
Classes: Two 1 hour lectures and one 1 hour tutorial per week **Assessment:** 1000 word in-class assessment (10%) ; 1500 word essay (45%) ; 1.5 hour exam (45%).

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

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.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

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

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

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

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

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

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

Credit points: 6 **Teacher/Coordinator:** Dr H Griffiths **Session:** Semester 2
Classes: Two 1 hour lectures and one 1 hour tutorial per week **Prerequisites:** 12 junior credit points of English **Prohibitions:** ENGL2040 **Assessment:** One 1,500 word essay (30%); One 2,500 word take-home exam (60%); tutorial participation (10%)

An intensive study of plays by Shakespeare in a variety of genres, with an emphasis on performance. Particular attention is given to the

impact of Renaissance and modern performance conditions, such as playhouses, companies, and audiences. Where possible film or video versions and current Sydney productions are discussed. Attention will also be given to the language of the plays, their relationship to dramatic genres, and varieties of contemporary interpretation. The workshops will experiment in the staging of key scenes.

Textbooks

The Norton Shakespeare, gen. ed. Stephen Greenblatt

ENGL2652

Modern Rhetoric

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.

Note: May be cross listed to a major in Linguistics

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

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

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

Credit points: 6 **Teacher/Coordinator:** Dr D Anlezark **Session:** Semester 1, Summer Main **Classes:** One 1 hour lecture and one 1 hour tutorial per week. **Prerequisites:** 12 Junior credit points of English **Assessment:** Essay (2500 words), Exam 2 hours (2000 words) Tutorial exercise (1500 words)

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

Credit points: 6 **Teacher/Coordinator:** Dr H Griffiths **Session:** Semester 1
Classes: One 1 hour lecture and one 2 hour seminar per week. **Prerequisites:** 12 junior credit points in English **Assessment:** One 2000 word essay and one 2500 word take-home exam.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

Credit points: 6 **Teacher/Coordinator:** Dr N Parsons **Session:** Semester 2
Classes: One 1 hour lecture and one 2 hour seminar per week. **Prerequisites:** 12 junior credit points in English **Assessment:** One 2500 word essay and one 2000 word take-home exam.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

Credit points: 6 **Teacher/Coordinator:** Dr S Gleeson-White **Session:** Semester 1 **Classes:** One 1 hour lecture and one 1 hour 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

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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:** One 2000 wd Annotated Bibliography. One 1500 wd presentation discussion and report.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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 feminisim. 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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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

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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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**

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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**

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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**

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

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.

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**

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

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.

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.

ASLT2601**Australian Literature 1920-1960**

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%)

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**

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%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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**

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%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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. Brandt
[Additional works to be advised]
Resource book.

ASLT2619

Australian Gothic

Credit points: 6 **Teacher/Coordinator:** Dr P Kirkpatrick **Session:** Semester 2 **Classes:** Two 1hour lectures and one 1hour 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.

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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.

European Studies

EUST2611

European & Middle Eastern Myth & Legend

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.

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

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).

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

Credit points: 6 **Teacher/Coordinator:** Dr Françoise 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).

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

EUST2806

European Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

EUST2807

European Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

EUST2808**European Studies Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.***Film Studies****FILM2810****Film Studies Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

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****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

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****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

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****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

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****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

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****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.*

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.

French Studies**FRNC1611****Junior French Introductory 1**

Credit points: 6 **Teacher/Coordinator:** Dr Alice Caffarel **Session:** Semester 1, Summer 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.)

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**

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%).

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**

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.)

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**

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.)

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

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).

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

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).

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

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

For students studying overseas.

FRNC1802 French Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

For students studying overseas.

FRNC2611 Senior French Intermediate 1

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).

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

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).

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

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%).

Note: This unit is required for students intending to major or take options in their third year

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

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).

Note: This unit is required for students intending to major or take options in their third year

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

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).

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

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).

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

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).

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

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).

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

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.)

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

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).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

For students studying overseas.

FRNC2804

French Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

For students studying overseas.

FRNC2805

French Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

For students studying overseas.

FRNC2806

French Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

For students studying overseas.

FRNC2807

French Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

For students studying overseas.

FRNC2808

French Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

For students studying overseas.

FRNC3621

Senior French Advanced 5

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

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class test in French (equivalent to 1500 words in English, 25%), oral presentation (equivalent to 500 words, 10%), preparation and participation (10%).

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

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%).

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

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).

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

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).

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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

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).

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

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%).

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

For students studying overseas.

Gender Studies

GCST2602

Suffragettes to Cyborgs

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

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.

GCST2604

Sex, Violence and Transgression

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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.

GCST2607

Bodies, Sexualities, Identities

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

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

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.

GCST2609

Cultures of Masculinities

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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.

GCST2804

Gender Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GCST2805

Gender Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GCST2806

Gender Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GCST2810

Gender Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GCST2811

Gender Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GCST3601

Gender, Race and Australian Identities

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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.

Germanic Studies

GRMN1111

Junior German 1

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.

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

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.

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

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.

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

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.

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

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.

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

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.

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

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).

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

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).

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

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).

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

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).

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

Glienicke, Katthagen, TestDaf. Kurs zur Prüfungsvorbereitung (Hueber)
Hering et al, em Übungsgrammatik (Hueber)

GRMN2615

Senior German 5

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).

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

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).

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

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).

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

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).

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

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.

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

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).

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

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).

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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

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.

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

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).

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

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.

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

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.

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

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).

(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

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).

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GRMN2812

Germanic Studies Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GRMN2813

Germanic Studies Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GRMN2814

Germanic Studies Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GRMN2815

Germanic Studies Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Andrea Bandhauer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Global Studies (For Continuing Bachelor of Global Studies Students only)

GBST2601

Global Studies, Society, Culture, Nation

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

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

Credit points: 6 **Teacher/Coordinator:** Dr Danielle Celermajer **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

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

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%

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GBST2802

Global Studies Exchange 2

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GBST2803

Global Studies Exchange 3

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GBST2804

Global Studies Exchange 4

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GBST2805

Global Studies Exchange 5

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GBST2806

Global Studies Exchange 6

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GBST2807

Global Studies Exchange 7

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GBST2808

Global Studies Exchange 8

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Government and International Relations

GOVT1001

Government Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GOVT1101

Australian Politics

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

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

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

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

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

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GOVT1882**Government Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.***GOVT2114****The Australian Political Party System****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

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****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.

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****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.

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****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

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****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.

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****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*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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****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

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****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

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

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

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

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.

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

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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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.

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

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.

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

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

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

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

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

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

Note: This unit is only available to students enrolled in the Bachelor of International Studies

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

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

Note: This unit is only available to students enrolled in the Bachelor of International Studies.

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

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

GOVT2882

Government Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

GOVT2883

Government Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

GOVT2884

Government Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

GOVT2885

Government Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

GOVT2991

Government 2 Honours

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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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

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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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

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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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

Greek (Ancient)

GRKA1600

Introduction to Ancient Greek 1

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

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

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

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

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

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

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

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

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

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

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

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GRKA2805

Greek (Ancient) Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

GRKA3600

Advanced Greek

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 *Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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

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

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

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

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

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

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.

Hebrew (Classical)

HBRW1111

Hebrew Classical B1

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%).

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

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%).

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

HBRW2623

Hebrew Classical 3

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%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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%).

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

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%).

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

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%).

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

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%).

The unit introduces students to non-Biblical Aramaic dialects such as: Old Aramaic, Elephantine Papyri, Dead Sea Scrolls and Targumim.

HBRW2651

Syriac 1

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%).

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

HBRW2652

Syriac 2

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%).

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.

HBRW2661 Akkadian Language 1

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).

This unit of study will introduce students to the Akkadian language and the reading of Cuneiform documents.

HBRW2662 Akkadian Language 2

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).

This unit focuses on the reading and discussion of representative Assyrian texts.

HBRW3653 Syriac 3

This unit of study is not available in 2009

Credit points: 6 **Teacher/Coordinator:** Prof Ebied **Session:** Semester 1
Classes: 2 hours per week **Prerequisites:** HBRW2912 or HBRW2652
Prohibitions: HBRW3911 **Assessment:** 2 hour exam (equivalent to 2000 words, 50%), 2500 word essay (30%), continuous assessment (equivalent to 1500 words, 20%).

This unit continues the study of Syriac texts begun in Syriac 1 and 2. This unit concentrates on the study of selections of advanced Syriac Peshitta, Patristic texts, etc.

HBRW3654 Syriac 4

This unit of study is not available in 2009

Credit points: 6 **Teacher/Coordinator:** Prof Ebied **Session:** Semester 2
Classes: 2 hours per week **Prerequisites:** HBRW3911 or HBRW3653
Prohibitions: HBRW3912 **Assessment:** 2 hour exam (equivalent to 2000 words, 50%), 2500 word essay (30%), continuous assessment (equivalent to 1500 words, 20%).

This unit builds on the foundation of Syriac 3. This unit concentrates on the study of more advanced Syriac Patristic and Hagiographical texts, etc., as well as a brief survey of the history of Syriac literature.

Hebrew (Modern)

HBRW1011 Hebrew Modern B1

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%).

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) Academon, 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

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%).

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) Academon, Jerusalem
Lauden, E., Weinbach, L. (1993), Multi-Dictionary: Bilingual Learners' Dictionary, AD, Tel Aviv

HBRW2603 Hebrew Modern 3

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%).

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) Academon, Jerusalem
Lauden, E., Weinbach, L. (1993) Multi Dictionary: Bilingual Learners' Dictionary, AD, Tel Aviv

HBRW2604 Hebrew Modern 4

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%).

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) Academon, Jerusalem
Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary, AD, Tel Aviv

HBRW2605 Hebrew Modern 5

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%).

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, Academon, Jerusalem

Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. AD Tel Aviv

HBRW2606

Hebrew Modern 6

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%).

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, Academon, Jerusalem
 Laudan, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. AD, Tel Aviv

HBRW2607

Hebrew Modern 7

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%).

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), Academon, Jerusalem
 Weyl, T., Farstei, H. (1996) HaPo'al le-Lomdei Ivrit (Ramot Gimel Dalet), Academon, Jerusalem
 Liebrecht, S. (1997) Shlosha Sipurim, Gesher series, Jerusalem
 Laudan, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. AD, Tel Aviv

HBRW2608

Hebrew Modern 8

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%).

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), Academon, Jerusalem
 Weyl, T., Farstei, H. (1996) HaPo'al le-Lomdei Ivrit (Ramot Gimel Dalet), Academon, Jerusalem
 Gedalia, A. ha'Ed ha'Acharon. Gesher series, Jerusalem
 Laudan, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. AD, Tel Aviv

HBRW2609

Hebrew Modern 9

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%).

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, Academon, Jerusalem
 Weyl, T., Farstei, H. (1996) HaPo'al le-Lomdei Ivrit (Ramot Gimel Dalet), Academon, Jerusalem
 Amir, E. Tarnegol Kaparot. Gesher series, Jerusalem
 Laudan, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. AD, Tel Aviv

HBRW2610

Hebrew Modern 10

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%).

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, Academon, Jerusalem
 Weyl, T., Farstei, H. (1996) HaPo'al le-Lomdei Ivrit (Ramot Gimel Dalet), Academon, Jerusalem
 Yehoshua, A.B., Shlosha Yamim veYeled, Gesher series: Jerusalem
 Laudan, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. AD, Tel Aviv

HBRW2611

Hebrew Modern 11

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%).

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-Mitkadim. Academon, Jerusalem
 Baras, N., Delshad, E. (2000) Tachbir le-Mitkadim (Ramah Heh). Academon, Jerusalem
 Shahar, D. Al haHalomot (Concerning Dreams), Gesher series
 Laudan, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. AD, Tel Aviv

HBRW2612

Hebrew Modern 12

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%).

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-Mitkadim. Academon, Jerusalem

Baras, N., Delshad, E. (2000) Tachbir le-Mitkadmim (Ramah Heh). Academon, Jerusalem
 Oz, A. Har haEitza haRa'a Geshet series
 Lauden, E., Weinbach, L. (1993) Multi-Dictionary: Bilingual Learners' Dictionary. Ad, Tel Aviv

Heritage Studies

HRTG2601

Approaching Heritage Studies

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

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

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

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

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

HRTG2805

Heritage Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

HRTG2806

Heritage Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

HRTG2809

Heritage Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

HRTG2810

Heritage Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

HRTG3602

Social History and Heritage Studies

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

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.

Hindi-Urdu (major may not be available)

HIUR2601

Hindi and Urdu Intermediate 1

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).

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

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).

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

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).

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

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).

This unit is an extension of work done in HIUR3601.

History

HSTY1025

The Middle Ages (500-1500)

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%)

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

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

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**

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

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**

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

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**

Credit points: 6 **Teacher/Coordinator:** Dr Stephen Robertson **Session:** Semester 1 **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

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**

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

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**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

HSTY1802 **History Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

HSTY2601 **Religion & Society: Conversion & Culture**

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

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**

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

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**

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

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**

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

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

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Judith Keene **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 **Prohibitions:** HSTY2026 **Assessment:** one 1000 word seminar presentation, one 2500 word essay, one 1000 word take-home exam

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

Credit points: 6 **Teacher/Coordinator:** Dr Frances Clarke, Dr Kirsten McKenzie **Session:** Semester 1 **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

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

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

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

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

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

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

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

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

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

Credit points: 6 **Teacher/Coordinator:** Dr Margaret Poulos **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:** HSTY2059 **Assessment:** one oral tutorial presentation, participation, one 2500 word essay, one 2 hour exam

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

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

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

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

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

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

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

Credit points: 6 **Teacher/Coordinator:** Dr Clare Corbould **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 Asian Studies **Prohibitions:** HSTY2067 **Assessment:** one 2500 word essay, one 2 hour exam

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

Credit points: 6 **Teacher/Coordinator:** Dr Cindy McCreery **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 **Assessment:** one 1000 word draft essay, one 2000 word final essay and one take home exam

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

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

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

Credit points: 6 **Teacher/Coordinator:** Dr James Curran **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 **Assessment:** one oral tutorial presentation, participation, one 2500 word essay, one 2 hour exam

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

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

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

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

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

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

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

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

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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

HSTY2806

History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

HSTY2809

History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

HSTY2810

History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

HSTY2811

History Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

Indigenous Australian Studies

KOCR2112

Indigenous Australia: History and Health

This unit of study is not available in 2009

Credit points: 6 **Session:** Semester 2 **Classes:** 1 x 3hr seminar **Assessment:** Presentation, journal, exam

Note: Department permission required for enrolment. Note: Faculty of Nursing students only

This unit of study aims to introduce students to the reality of Indigenous history and the knowledge of Indigenous peoples. Students will critically analyse the impact of government policies and practices on the Indigenous lived experience. An examination on how a holistic way of life is viewed within an Australian context will be explored. Students will also explore broader health issues. It is envisaged that this unit of study will assist nursing students to improve their knowledge base in relation to issues of tolerance, diversity and self-reflection with a view to understanding how these issues may impact upon Nursing practices, particularly in regard to working with Indigenous peoples within Australia.

KOCR2600

Indigenous Australia: An Introduction

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%).

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.

KOCR2601

Indigenous Australia: Land and Culture

This unit of study is not available in 2009

Credit points: 6 **Session:** Semester 2 **Classes:** (1x 1hr lec & 1 x 2hr tut)wk **Prerequisites:** KOCR2100 or KOCR2600 **Prohibitions:** KOCR2101 **Assessment:** identity exercise (10%), tutorial presentation (20%), tutorial paper (20%) and essay (50%)

This unit of study traces Aboriginal and Torres Strait Islander relationships to country and place, and the continuities and dynamism of contemporary Indigenous Australian cultures. It will celebrate the fact that, despite the impact of colonisation, Indigenous Australian peoples have maintained unique identities and connections to land and sea. Through the themes of Indigenous Sydney, Connections to Place, and Cultural Continuities, we will examine Indigenous belief systems, art, language, performance, and film. This unit of study will include excursions to cultural sites around Sydney.

KOCR2602

Issues in Indigenous Rights

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

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.

KOCR2603

Indigenous Health and Communities

This unit of study is not available in 2009

Credit points: 6 **Teacher/Coordinator:** Ms Katrina Thorpe **Session:** Semester 2 **Classes:** (1 x 1hr lec and 1 x 2hr tut)wk **Prerequisites:** KOCR2100 or KOCR2600 **Prohibitions:** KOCR2111 **Assessment:** tutorial presentation (20%), critical review (30%) and essay (50%)

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. The challenge in improving Aboriginal health lies partly in improving the knowledge of non-Indigenous Australians of the historical, cultural and contemporary issues which impact on health. This unit of study will provide opportunities for meaningful contact with Indigenous Australians as a foundation for building partnerships with Indigenous people to improve Aboriginal health.

KOCR2604

Colours of Identity: Indigenous Bodies

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%).

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.

KOCR2606

Torres Strait Histories and Experiences

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%)

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

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%)

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.

Indonesian Studies

INMS1101

Indonesian 1A

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.

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

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.

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

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.

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

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.

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

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

Note: Department permission required for enrolment.

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

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

Note: Department permission required for enrolment.

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

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

Note: Department permission required for enrolment.

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

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

Note: Department permission required for enrolment.

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

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

Note: Department permission required for enrolment.

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

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

Note: Department permission required for enrolment.

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

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

Note: Department permission required for enrolment.

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

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

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

INMS2806

Indonesian Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

INMS2807

Indonesian Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

INMS2808

Indonesian Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

INMS3601

Indonesian 3A

Credit points: 6 **Teacher/Coordinator:** Dr Elisabeth Jackson **Session:** Semester 1 **Classes:** 4 hours per week **Prerequisites:** INMS2102 or INMS2602 or department 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.

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

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.

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

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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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.

International and Comparative Literary Studies

ICLS2631

Popular Fiction and Popular Culture

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%).

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

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%).

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

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%).

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

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week
Note: Department permission required for enrolment.

ICLS2802

Int Comparative Literary Studies Exch

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week
Note: Department permission required for enrolment.

ICLS2803

Int Comparative Literary Studies Exch

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week
Note: Department permission required for enrolment.

ICLS2804

Int Comparative Literary Studies Exch

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** 2 hours per week
Note: Department permission required for enrolment.

International and Global Studies

INGS1001

Power and Money in Global Society

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)

Note: This unit is available only to students in the Bachelor of International and Global Studies

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

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)

Note: This unit is available only to students in the Bachelor of International and Global Studies

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

Italian Studies

ITLN1611

Introductory Italian 1

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.

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.

This unit provides an introduction into 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 Rôme, 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

Credit points: 6 **Teacher/Coordinator:** Dr Paolo Bartoloni, Dr Giorgia Alù **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.

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 Rôme, Soluzioni! A Practical Guide to Italian Grammar (Arnold)

ITLN1801

Italian Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ITLN1802

Italian Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ITLN2611

Intermediate Italian 3

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).

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

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).

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

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).

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

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).

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

Credit points: 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ITLN2812 Italian Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ITLN2813 Italian Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ITLN2814 Italian Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ITLN2815 Italian Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ITLN2816 Italian Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ITLN2817 Italian Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ITLN3611 Senior Italian 5

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).

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

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).

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

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).

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

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). *Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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.

ITLN3669 Lite Love: Emotion in Today's Italy

Credit points: 6 **Teacher/Coordinator:** Dr Paolo Bartoloni **Session:** Semester 2 **Classes:** 1 hour lecture and 1 hour tutorial per week **Prerequisites:** One of ITLN1632, ITLN1302, ITLN2611, ITLN2631 or equivalent language knowledge **Assessment:** Participation (5%); class presentation (equivalent of 1500 words, 15%); essay (2000 words, 35%); essay (2500 words, 45%). *Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.*

Relationships in Italy today appear to be characterised by short-term commitments with a determined use-by-date. As a consequence, while the traditional Italian family is in crisis, other forms of partnerships are emerging, including de-facto relationships but also more ad hoc and temporary liaisons. Is this the result of a more general social trend towards 'no long term' and 'weak' ties? This unit attempts to answer these questions by looking at a selected number of literary and cinematic texts on love.

Textbooks

Course pack available from University Copy Centre

ITLN3671**Dante: Inferno**

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).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

ITLN3684**Italian Sociolinguistics**

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).

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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**

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).

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.

ITLN3691**Italian Literature: 1200-1860**

Credit points: 6 **Session:** Semester 1 **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).

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.

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**

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).

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.

Japanese Studies**JPNS1611****Japanese 1**

Credit points: 6 **Teacher/Coordinator:** Ms Seiko Yasumoto **Session:** Semester 1, Summer 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).

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**

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).

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**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

JPNS1802**Japanese Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

JPNS2611**Japanese 3**

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).

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**

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).

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

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).

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

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).

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

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).

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

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).

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

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).

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

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

JPNS2812 Japanese Exchange 4

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

JPNS2813 Japanese Exchange 5

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

JPNS2814 Japanese Exchange 6

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

JPNS2815 Japanese Exchange 7

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

JPNS3621 Japanese 7

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).

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

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).

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**

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).

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**

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).

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**

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).

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**

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).

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**

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).

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**

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** 12 Junior JPNS credit points **Assessment:** As required by the host institution.

Note: Department permission required for enrolment.

Approved course in a tertiary level institution in Japan.

JPNS3842**Japan In-Country Study 2**

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** 12 Junior JPNS credit points **Assessment:** As required by the host institution.

Note: Department permission required for enrolment.

Approved course in a tertiary level institution in Japan.

Jewish Civilisation, Thought and Culture

JCTC1001**Palestine: Roman Rule to Islam**

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%).

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**

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%).

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****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.***JCTC2603****Jews Under the Crescent and the Cross****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%).*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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****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%).*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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****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%).*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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****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%).*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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****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.*Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.***JCTC2812****Jewish Civilisation Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.***JCTC2813****Jewish Civilisation Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.***JCTC2814****Jewish Civilisation Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.***JCTC2815****Jewish Civilization Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.***JCTC2816****Jewish Civilisation Exchange****Credit points:** 6 **Session:** Semester 1, Semester 2*Note: Department permission required for enrolment.***Korean Studies****KRNS1621****Korean 1****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.

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**

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.

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**

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

Note: Department permission required for enrolment.

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**

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.

Note: Department permission required for enrolment.

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**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

KRNS2621**Korean 3**

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.

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**

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.

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**

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.

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**

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.

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**

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.

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**

Credit points: 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 1, Semester 2 **Prerequisites:** KRNS1101 or KRNS1621 or KRNS1301 or KRNS1631

Note: Department permission required for enrolment.

KRNS2682**Korean In-Country Study B**

Credit points: 6 **Teacher/Coordinator:** Dr Duk-Soo Park **Session:** Semester 1, Semester 2 **Prerequisites:** KRNS1101 or KRNS1621 or KRNS1301 or KRNS1631

Note: Department permission required for enrolment.

KRNS2811

Korean Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

KRNS2812

Korean Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

KRNS2813

Korean Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

KRNS2814

Korean Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

KRNS2815

Korean Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

KRNS3621

Korean 5

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.

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

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.

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.

Latin

LATN1600

Introductory Latin 1

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

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

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

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

LATN1802

Latin Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

LATN2600

Intermediate Latin 1

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

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

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

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

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

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**

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

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**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

LATN2805**Latin Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

LATN2806**Latin Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

LATN2810**Latin Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

LATN2811**Latin Exchange**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

LATN3600**Advanced Latin**

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

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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**

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

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**

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

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**

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

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.

Legal Studies (no major available)**SLSS1001****Introduction to Socio-Legal Studies**

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%)

Note: Available to Bachelor of Arts and Sciences and Bachelor of Socio-Legal Studies only

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**

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

Note: Available to Bachelor of Arts and Sciences and Bachelor of Socio-Legal Studies only

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

Linguistics

LNGS1001

Structure of Language

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)

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., Amberber, M. 2005. 'An Introduction to Language'. Fifth edition. Sydney: Harcourt.

LNGS1002

Language and Social Context

Credit points: 6 **Teacher/Coordinator:** Dr T Borowsky **Session:** Semester 2
Classes: Two 1 hour lectures and one 1 hour 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)

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

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)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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

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

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 3000words plus a presentation 1000 words

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

Credit points: 6 **Teacher/Coordinator:** Dr J Simpson **Session:** Semester 1
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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

Credit points: 6 **Teacher/Coordinator:** Dr T Borowsky **Session:** Semester 2
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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

Credit points: 6 **Teacher/Coordinator:** Dr T Borowsky **Session:** Semester 1 **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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

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 LNGS2602 [Syntax], LNGS2603 [Functional Grammar], ENGL2619 [Semiotics of Language] and ENGL2653 [Varieties of English Grammar] **Prohibitions:** LNGS3026, LNGS3006 **Assessment:** Two 2500 word assignments and one 1000 word class presentation

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.

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.

LNGS3604

Field Methods

Credit points: 6 **Teacher/Coordinator:** Dr J Simpson **Session:** Semester 2 **Classes:** One 2 hour seminar and a 1/2 hour hour consultation per week **Prerequisites:** Credit average in 18 senior credit points of Linguistics including three of: LNGS2601 (or LNGS2001), LNGS2602 (or LNGS2002), LNGS2603 (or LNGS2003) or LNGS2604 (or LNGS2004) **Prohibitions:** LNGS3925 **Assessment:** Two 1500 word assignments and one 3000 word assignment

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

Techniques for eliciting, recording and analysing linguistic data collected from a speaker of a previously undescribed language. Formal elicitation of individual words and simple phrases. Analysis of the phonology and basic morphology of the language. Text collection. Individual focus on some aspect of the phonological, lexicogrammatical or semantic system of the language.

Textbooks

Recommended readings:
Newman, Paul, and Ratliff, Martha eds. 2001. *Linguistic fieldwork*. Cambridge; New York: Cambridge University Press.

LNGS3605

Structure and Use of a Language

Credit points: 6 **Teacher/Coordinator:** Prof W Foley **Session:** Semester 2 **Classes:** 2hr seminar **Prerequisites:** LNGS2601 [or LNGS2001] and one of LNGS2602, LNGS2002, LNGS2003, LNGS2603 **Prohibitions:** LNGS3904 **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

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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

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

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

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

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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.

LNGS3694

Language and Identity

This unit of study is not available in 2009

Credit points: 6 **Teacher/Coordinator:** Dr T Borowsky **Session:** Semester 2 **Classes:** one 2hr seminar **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:** LNGS3907, LNGS3927 **Assessment:** Essay (4000 words), other written assignments and class presentation (2000 words)

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.

The unit explores expressions of social identities and relationships through language, including the connection between social groups (e.g. gender, ethnicity, age) and language use. It familiarizes students with theories that explore relationships between language and identity construction/perception. The unit also equips the students with the necessary tools to critically engage with and analyse the issues of language and identity in various contexts.

LNGS3696

Bilingualism

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.

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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

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

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.

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.

Media and Communications

MECO1001

Australian Media Studies

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%)

Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.

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

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%)

Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.

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

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)

Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.

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

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%)

Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Teacher/Coordinator:** Dr S Maras **Session:** Semester 1
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.

Note: Available to BA (Media and Comm) and BSc (Media and Comm) students only.

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**

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.

Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.

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**

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%)

Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.

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**

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%)

Note: Available to BA (Media and Comm) and, subject to departmental approval, students undertaking a major in Cultural Studies.

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**

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.

Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.

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**

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.

Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.

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**

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.

Note: Available to BA(Media and Comm) and BSc (Media and Comm) students only.

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**

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

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.

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

Medieval Studies

MDST2607

Medieval Literary and Artistic Modes

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.

Note: This Unit of Study may be counted towards a Major in English

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

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.

Note: This unit of study may be counted towards a major in History

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

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

Note: This unit of study may be counted towards a Major in History.

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

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

Note: this unit of study may be counted towards majors in History, French Studies, English, and European Studies

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.

Modern Greek Studies

MGRK1601

Junior Modern Greek 1

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.

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

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.

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

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.

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

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.

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**

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.

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**

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.

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**

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.

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**

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.

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**

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.

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**

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).

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**

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).

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**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Vrasidas Karalis, Dr Anthony Dracopoulos **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.

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**

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).

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

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).

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

MGRK2812

Modern Greek Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

MGRK2813

Modern Greek Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

MGRK2814

Modern Greek Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

MGRK2815

Modern Greek Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

MGRK3692

Theories of Literature

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).

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Late **Prerequisites:** 12 junior credit points of Modern Greek

Note: Department permission required for enrolment.

Music

MUSC1501

Concepts 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%).

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.

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

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%)

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

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%)

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

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%)

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

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%)

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

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)

Note: Department permission required for enrolment.

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

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)

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

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%)

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

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%).

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

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.

Note: Department permission required for enrolment.

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

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.

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

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Winsome Evans **Session:** Semester 1 **Classes:** 3 hours/week **Prerequisites:** 48 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).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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.

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

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%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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%)

Note: This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree 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

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).

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

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%)

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

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%).

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

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%).

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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)

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.

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

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.

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

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).

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

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

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

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%).

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

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%)

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

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.

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.

MUSC3604

Arts Music Concert Performance 3

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)

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

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)

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

Credit points: 6 **Teacher/Coordinator:** Dr Cecilia Sun **Session:** Semester 2 **Classes:** 2 hours/wk **Prerequisites:** MUSC2631 Fieldwork, Ethnography and Transcription **Assessment:** Written assessments (60%), online journal (20%), participation (20%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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%)

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.

Pali (no major available)

PALI1001

Pali A

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).

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

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).

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)

Peace and Conflict Studies

PACS2002

History and Politics of War and Peace

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.

Note: This unit is taught jointly with the Department of History and can be counted towards a History major.

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

Performance Studies

PRFM1801

Performance Studies Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

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

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

Credit points: 6 **Teacher/Coordinator:** Dr P Dwyer **Session:** Semester 1 **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.

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

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

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

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

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

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.

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

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

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

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)

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

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

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

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.

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

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

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**

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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**

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

Philosophy

PHIL1011**Reality, Ethics and Beauty**

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

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**

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

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

Girle, R. Introduction to Logic. Prentice Hall 2008.

PHIL1013**Society, Knowledge and Self**

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

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**

Credit points: 6 **Teacher/Coordinator:** Dr Luke Russell, Dr Michael McDermott
Session: S1 Late Int, S2 Late Int

Note: This unit is available to HSC students only

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**

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

PHIL2600**Twentieth Century Philosophy**

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

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 AJ. Language, Truth and Logic. London. Penguin 2001
 Readings will be available from the University Copy Centre.

PHIL2605**Locke and Empiricism**

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

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

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

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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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

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

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

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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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

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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

Credit points: 6 **Teacher/Coordinator:** Dr Thomas Besch **Session:** Semester 1 **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

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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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

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. Macquarie & E. Robinson).

PHIL2642

Critical Thinking

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

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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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

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

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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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.

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

PHIL2805

Philosophy Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

PHIL2806

Philosophy Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

PHIL2810

Philosophy Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

PHIL2811

Philosophy Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

PHIL2812

Philosophy Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

PHIL3615

Pragmatism

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

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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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.

Political Economy

ECOP1001

Economics as a Social Science

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

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

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

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

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

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

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ECOP1552

Political Economy Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ECOP2011

Economics of Modern Capitalism

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

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

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

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

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ECOP2551

Political Economy Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ECOP2552

Political Economy Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ECOP2612

Economic Policy in Global Context

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

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

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

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

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

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

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

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

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.

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

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

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

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

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

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ECOP3552

Political Economy Exchange

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ECOP3553

Political Economy Exchange

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

ECOP3620

Distribution of Income and Wealth

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.

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

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

Note: Third year students who have not completed the prerequisites should consult the Department of Political Economy about alternative requirements.

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

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.

Note: Third year students who have not completed the prerequisites should consult the Department of Political Economy about alternative requirements.

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.

Studies in Religion

RLST1001

Paths to Enlightenment

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%)

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

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%)

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

Credit points: 6 **Teacher/Coordinator:** Dr C Cusack **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

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%

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

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%

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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%

This unit provides an overview of the Zoroastrian, Gnostic and Manichaeic 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

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%

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

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%

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

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

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

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%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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

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%)

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

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.

This unit will introduce the cosmologies, gods and religious structures of Pharoanic 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

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)

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

Credit points: 6 **Teacher/Coordinator:** Dr C Cusack **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Teacher/Coordinator:** Dr C Cusack **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Teacher/Coordinator:** Dr C Cusack **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Teacher/Coordinator:** Dr C Cusack **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 6 **Teacher/Coordinator:** Dr C Cusack **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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.

Sanskrit

SANS1001

Sanskrit Introductory 1

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).

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

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).

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

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).

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

Janman, C. R., A Sanskrit Reader, 2nd edn. (Satguru Publications, 1983)

SANS2602

Sanskrit Intermediate 2

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).

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

Janman, C.R., A Sanskrit Reader 2nd edn. (Satguru Publications, 1983)

SANS3601

Sanskrit Advanced 1

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).

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

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).

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

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).

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.

Social Policy

SCPL2601

Australian Social Policy

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%)

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

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

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

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

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

Social Sciences (For Continuing Bachelor of Social Sciences Students only)

SSCI2601

Social, Political and Economic Thought 1

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%)

Note: Bachelor of Social Sciences only

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

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%)

Note: Bachelor of Social Sciences only

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

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.

Note: Bachelor of Social Sciences only

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

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

Note: Bachelor of Social Sciences only

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.

Socio-Legal Studies

SLSS1001

Introduction to Socio-Legal Studies

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%)

Note: Available to Bachelor of Arts and Sciences and Bachelor of Socio-Legal Studies only

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

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

Note: Available to Bachelor of Arts and Sciences and Bachelor of Socio-Legal Studies only

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

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

Note: Available to Bachelor of Socio-Legal Studies only

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

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

Note: Available to Bachelor of Socio-Legal Studies only

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

Sociology

SCLG1001

Introduction to Sociology 1

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%)

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

Credit points: 6 **Teacher/Coordinator:** Dr Catriona Elder **Session:** Semester 2 **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%)

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

Credit points: 6 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

SCLG2601

Sociological Theory

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%)

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

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 SSCI1003 **Prohibitions:** SCLG2002, SCLG2521 **Assessment:** 4500 words of written work

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

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

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

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%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.

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

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%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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%)

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

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

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

Credit points: 6 **Teacher/Coordinator:** Dr Karl Maton **Session:** Semester 1 **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%)

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

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%)

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

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%)

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, i.e., 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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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%)

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

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%)

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

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%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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

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

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

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

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.

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

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

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

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002

Note: Department permission required for enrolment.

SCLG2806

Sociology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002

Note: Department permission required for enrolment.

SCLG2809

Sociology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002

Note: Department permission required for enrolment.

SCLG2810

Sociology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002

Note: Department permission required for enrolment.

SCLG2811

Sociology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002

Note: Department permission required for enrolment.

SCLG2812

Sociology Exchange

Credit points: 6 **Session:** Semester 1, Semester 2 **Prerequisites:** SCLG1001 and SCLG1002

Note: Department permission required for enrolment.

SCLG3601

Contemporary Sociological Theory

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%)

Note: This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree 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

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

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

Spanish and Latin American Studies

SPAN1601

Introductory Spanish 1

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Crameri **Session:** Semester 1, Summer 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).

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.

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

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).

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.

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

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Cramer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

SPAN1802

Spanish Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Cramer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

SPAN2601

Intermediate Spanish 1

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).

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.

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

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).

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

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Cramer **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).

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

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).

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

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Cramer **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.

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

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Cramer **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).

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

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Cramer **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).

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

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.

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

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).

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

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).

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

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Cramer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

SPAN3812

Spanish Studies Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Cramer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

SPAN3813

Spanish Studies Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Cramer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

SPAN3814

Spanish Studies Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Cramer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

SPAN3815

Spanish Studies Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Cramer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

SPAN3816

Spanish Studies Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Cramer **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

SPAN3817

Spanish Studies Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Cramer **Session:** Semester 2

Note: Department permission required for enrolment.

SPAN3818

Spanish Studies Exchange

Credit points: 6 **Teacher/Coordinator:** Dr Kathryn Cramer **Session:** Semester 2

Note: Department permission required for enrolment.

Writing (no major available)

WRIT1001

Academic English

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.

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

Credit points: 6 **Teacher/Coordinator:** Dr R Johnke **Session:** Semester 1, Semester 2, Summer Late **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.

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.

Yiddish

YDDH1101

Yiddish 1

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%).

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

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%).

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

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%).

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

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%).

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

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%).

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

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%).

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

Table A

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
American Studies			
AMST2601 American Foundations	6	P 12 junior level credit points in the departments of English, and/or History and/or Art History and Film, in the Faculty of Arts <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1 Semester 2
AMST2801 American Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
AMST2802 American Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
AMST2803 American Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
AMST2804 American Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
AMST2805 American Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
AMST2806 American Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
USSC2601 U.S. in the World	6	P 18 junior credit points	Semester 1
Ancient History			
ANHS1600 Foundations for Ancient Greece	6	N ANHS1003	Semester 1
ANHS1601 Foundations for Ancient Rome	6	N ANHS1004, ANHS1005	Semester 2
ANHS1602 Greek and Roman Myth	6	N CLCV1001	Semester 2
ANHS1801 Ancient History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANHS2601 Ancient Imperialism	6	P 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) N ANHS2001	Semester 1
ANHS2605 Ancient Greek Religion	6	P 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)	Semester 2
ANHS2611 Greek and Roman Magic	6	P 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 N CLSS2602	Semester 2
ANHS2612 Historiography Ancient and Modern	6	P 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 N ANHS2691, ANHS2692	Semester 1
ANHS2804 Ancient History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANHS2805 Ancient History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANHS2806 Ancient History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANHS2810 Ancient History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANHS2811 Ancient History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANHS3610 Research Issues in Ancient Greek Studies	6	P Credit average in 18 senior credit points of Ancient History, Classical Studies, History, Latin, Greek (Ancient), Archaeology including ANHS2691 or HSTY2691	Semester 2
ANHS3611 Research Issues in Roman Studies	6	P Credit average in 18 senior credit points of Ancient History, Classical Studies, History, Latin, Greek (Ancient), Archaeology including ANHS2691 or HSTY2691 <i>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</i>	Semester 1 Summer Main
ANHS4011 Ancient History Honours A	12	P Credit average in 48 Senior credit points of ANHS or HSTY <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANHS4012 Ancient History Honours B	12	P Refer to ANHS4011 C ANHS4011	Semester 1 Semester 2
ANHS4013 Ancient History Honours C	12	P Refer to ANHS4011 C ANHS4012	Semester 1 Semester 2
ANHS4014 Ancient History Honours D	12	P Refer to ANHS4011 C ANHS4013	Semester 1 Semester 2
Anthropology			
ANTH1001 Cultural Difference: An Introduction	6	N ANTH1003	Semester 1 Summer Late

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ANTH1002 Anthropology and the Global	6	N ANTH1004	Semester 2
ANTH1801 Social Anthropology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANTH1802 Social Anthropology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANTH2601 The Ethnography of Southeast Asia	6	P 12 Junior credit points of Anthropology	Semester 1
ANTH2621 Initiation Rituals	6	P 12 Junior credit points of Anthropology N ANTH2021	Semester 2 Summer Late
ANTH2625 Culture and Development	6	P 12 Junior credit points of Anthropology	Semester 1
ANTH2626 The City: Global Flows and Local Forms	6	P 12 Junior credit points of Anthropology N ANTH2026	Semester 2
ANTH2627 Medical Anthropology	6	P 12 Junior credit points of Anthropology N ANTH2027	Semester 2
ANTH2629 Race and Ethnic Relations	6	P 12 Junior credit points of Anthropology N ANTH2117	Semester 2
ANTH2630 Indigenous Australians and Modernity	6	P 12 Junior credit points of Anthropology	Semester 1
ANTH2655 The Social Production of Space	6	P 12 junior credit points in Anthropology. N ANTH3911	Semester 1
ANTH2664 Cosmology and Power in South Asia	6	P ANTH1001 or ASNS1001 or ASNS1002	Semester 1
ANTH2665 South Asian Popular Culture	6	P ANTH1001 or ASNS1001 or ASNS1002	Semester 2
ANTH2804 Social Anthropology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANTH2805 Social Anthropology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANTH2806 Social Anthropology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANTH2810 Social Anthropology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANTH2811 Social Anthropology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANTH3601 Contemporary Theory and Anthropology	6	P 12 credit points of Senior Anthropology at Credit level or above N ANTH3921, ANTH3922	Semester 1
ANTH3602 Reading Ethnography	6	P 12 Credit Points of Senior Anthropology completed at Credit level or above N ANTH3611, ANTH3612, ANTH3613, ANTH3614 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ANTH4011 Social Anthropology Honours A	12	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ANTH4012 Social Anthropology Honours B	12	C ANTH4011	Semester 1 Semester 2
ANTH4013 Social Anthropology Honours C	12	C ANTH4012	Semester 1 Semester 2
ANTH4014 Social Anthropology Honours D	12	C ANTH4013	Semester 1 Semester 2
Arabic Language, Literature and Culture			
ARBC1611 Arabic Introductory 1B	6	N ARBC1311, ARBC1312, ARBC1101, ARBC1102	Semester 1
ARBC1612 Arabic Introductory 2B	6	P ARBC1101 or ARBC1611 or equivalent N ARBC1311, ARBC1312, ARBC1102	Semester 2
ARBC2613 Arabic Language and Literature 3B	6	P ARBC1102 or ARBC1612 or equivalent N ARBC1311, ARBC1312, ARBC2633, ARBC2634, ARBC2103	Semester 1
ARBC2614 Arabic Language and Literature 4B	6	P ARBC2103 or ARBC2613 or equivalent N ARBC2104, ARBC1311, ARBC1312, ARBC2313, ARBC2314, ARBC2633, ARBC2634, ARBC3635, ARBC3636, ARBC3637, ARBC3638	Semester 2
ARBC2633 Arabic Advanced Language & Literature 3A	6	P HSC Arabic Extension or Arabic Continuers or 70% or above in Arabic Beginners (subject to placement test) or equivalent N ARBC1311	Semester 1
ARBC2634 Arabic Advanced Language & Literature 4A	6	P ARBC1311 or ARBC2633 N ARBC1312, ARBC1101, ARBC1102, ARBC1611, ARBC1612	Semester 2
ARBC2811 Arabic Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARBC2812 Arabic Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ARBC2813 Arabic Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARBC2814 Arabic Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARBC3615 Arabic Language and Literature 5B	6	P ARBC2104 or ARBC2614 or equivalent N ARBC2105, ARBC1311, ARBC1312, ARBC2313, ARBC2314, ARBC2315, ARBC2316, ARBC2633, ARBC2634, ARBC3635, ARBC3636, ARBC3637, ARBC3638	Semester 1
ARBC3616 Arabic Language and Literature 6B	6	P ARBC2105 or ARBC3615 or equivalent N ARBC2106, ARBC1311, ARBC1312, ARBC2313, ARBC2314, ARBC2315, ARBC2316, ARBC2633, ARBC2634, ARBC3635, ARBC3636, ARBC3637, ARBC3638	Semester 2
ARBC3635 Arabic Advanced Translation & Writing 5A	6	P ARBC1312 or ARBC2633 or equivalent N ARBC2313, ARBC1101, ARBC1102, ARBC1611, ARBC1612	Semester 1
ARBC3636 Arabic Advanced for Media Studies 6A	6	P ARBC1311 or ARBC2633 or equivalent N ARBC1101, ARBC1102, ARBC1611, ARBC1612, ARBC2314	Semester 2
ARBC3637 Arabic Advanced Translation & Writing 7A	6	P ARBC1312 or ARBC2634 N ARBC2315, ARBC1101, ARBC1102, ARBC1611, ARBC1612	Semester 1
ARBC3638 Arabic Advanced for Media Studies 8A	6	P ARBC1311 or ARBC2633 N ARBC2316, ARBC1101, ARBC1102, ARBC1611, ARBC1612	Semester 2
Arab World, Islam and The Middle East			
ARIS1671 Arabs, Islam & Middle East: Introduction	6		Semester 1
ARIS1672 Arab-Islamic Civilisation: Introduction	6	P ARIS1001 or ARIS1671	Semester 2
ARIS2673 Islam and Muslims in World History	6	P ARIS1001 or ARIS1671 or equivalent N ARIS2003 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ARIS2674 Islam and Politics: Modernity Challenges	6	P ARIS1001 or ARIS1671 N ARIS2004 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ARIS2801 Arab World Islam & Middle East Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIS2802 Arab World Islam & Middle East Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIS2803 Arab World Islam & Middle East Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIS2804 Arab World Islam & Middle East Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIS2805 Arab World Islam & Middle East Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIS2806 Arab World Islam & Middle East Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIS3680 Approaches to Arabic and Islamic Studies	6	P Credit in ARIS2673 or ARIS3675 or ARIS2003 or ARIS2005, and credit in ARBC2613 or ARBC3635 or ARBC2103 or ARBC2313	Semester 2
ARIS4011 Arabic and Islamic Studies Honours A	12	P 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). <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIS4012 Arabic and Islamic Studies Honours B	12	C ARIS4011	Semester 1 Semester 2
ARIS4013 Arabic and Islamic Studies Honours C	12	C ARIS4012	Semester 1 Semester 2
ARIS4014 Arabic and Islamic Studies Honours D	12	C ARIS4013	Semester 1 Semester 2
Archaeology			
ARCA1001 Ancient Civilisations	6		Semester 1 Summer Late
ARCA1002 Archaeology: An Introduction	6	N ARPH1001	Semester 2
ARCA2601 Laboratory Methods	6	P 12 junior credit points of Archaeology N ARPH2614	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ARCA2606 Maps, Time and Visualisation	6	P 12 junior credit points N ARPH3690	Semester 2
ARCA2608 Near Eastern Ancient Civilisations	6	P 12 junior credit points of Archaeology or 6 junior credit points of Archaeology plus 6 junior credit points of Ancient History or Classical Studies N ARNE1001	Semester 1
ARCA2610 Minoans and Mycenaens	6	P 12 junior credit points of Archaeology or 6 junior credit points of Archaeology plus 6 junior credit points of Ancient History or Classical Studies	Semester 2
ARCA2612 A Greek Odyssey: The First Millennium BC	6	P 12 junior credit points of Archaeology or 6 junior credit points of Archaeology plus 6 junior credit points of Ancient History or Classical Studies	Semester 1
ARCA2614 Contact and Exchange in South Italy	6	P 12 junior credit points of Archaeology or 6 junior credit points of Archaeology plus 6 junior credit points of Ancient History or Classical Studies	Semester 1
ARCA2801 Archaeology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCA2802 Archaeology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCA2803 Archaeology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCA2804 Archaeology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCA2805 Archaeology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCA2806 Archaeology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCA2807 Archaeology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCA2808 Archaeology Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCA3600 Archaeological Research Principles	6	P Credit average in 24 senior credit points of Archaeology N ARPH3692 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ARCA3602 Greece and the East	6	P Credit result in one of the following units: ARCA2610, ARCA2611, ARCA2612, ARCA2613, ARCA2614, ARCA2615, ARCL2601, ARCL2602, ARCL2603, ARCL2604, ARCL2605	Semester 2
Archaeology (Classical)			
ARCL1801 Archaeology (Classical) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCL2804 Archaeology (Classical) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCL2805 Archaeology (Classical) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCL2806 Archaeology (Classical) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCL2810 Archaeology (Classical) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCL2811 Archaeology (Classical) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARCL4011 Archaeology (Classical) Honours A	12	P (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. <i>Note: Department permission required for enrolment</i> <i>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</i>	Semester 1 Semester 2
ARCL4012 Archaeology (Classical) Honours B	12	C ARCL4011	Semester 1 Semester 2
ARCL4013 Archaeology (Classical) Honours C	12	C ARCL4012	Semester 1 Semester 2
ARCL4014 Archaeology (Classical) Honours D	12	C ARCL4013	Semester 1 Semester 2
Archaeology (Near Eastern)			
ARNE1801 Archaeology (Near Eastern) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARNE2603 Introduction to the Archaeology of Iran	6	P 12 junior credit points of Archaeology, Classical Civilisation or Ancient History	Semester 2
ARNE2606 The Archaeology of Central Asia	6	P 12 junior credit points from Archaeology, Classical Civilisation or Ancient History.	Semester 1

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ARNE2691 Material Culture	6	P Credit result in ARNE1001 N ARNE2901 <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 2
ARNE2804 Archaeology (Near Eastern) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARNE2805 Archaeology (Near Eastern) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARNE2806 Archaeology (Near Eastern) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARNE2810 Archaeology (Near Eastern) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARNE2811 Archaeology (Near Eastern) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARNE4011 Archaeology (Near Eastern) Honours A	12	P (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). <i>Note: Department permission required for enrolment</i> <i>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</i>	Semester 1 Semester 2
ARNE4012 Archaeology (Near Eastern) Honours B	12	C ARNE4011	Semester 1 Semester 2
ARNE4013 Archaeology (Near Eastern) Honours C	12	C ARNE4012	Semester 1 Semester 2
ARNE4014 Archaeology (Near Eastern) Honours D	12	C ARNE4013	Semester 1 Semester 2
Archaeology (Prehistoric and Historical)			
ARPH1801 Archaeology (Prehistoric & Historic) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARPH2602 Scientific Analysis of Materials	6	P 12 Junior credit points in Archaeology N ARPH2621	Semester 2
ARPH2603 The Archaeology of Society	6	P 12 Junior credit points of Archaeology N ARPH2003	Semester 2
ARPH2612 Historical Archaeology	6	P 12 Junior credit points of Archaeology N ARPH2702	Semester 2
ARPH2616 Public Archaeology	6	P 12 Junior credit points of Archaeology N ARPH2010	Semester 1
ARPH2804 Archaeology (Prehistoric & Historic) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARPH2805 Archaeology (Prehistoric & Historic) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARPH2806 Archaeology (Prehistoric & Historic) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARPH4011 Archaeology (Prehist/Historical) Hons A	12	P (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. <i>Note: Department permission required for enrolment</i> <i>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).</i>	Semester 1 Semester 2
ARPH4012 Archaeology (Prehist/Historical) Hons B	12	C ARPH4011	Semester 1 Semester 2
ARPH4013 Archaeology (Prehist/Historical) Hons C	12	C ARPH4012	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ARPH4014 Archaeology (Prehist/Historical) Hons D	12	C ARPH4013	Semester 1 Semester 2
Art History and Theory			
ARHT1001 Art and Experience	6		Semester 2
ARHT1002 Modern Times: Art and Film	6		Semester 1
ARHT1801 Art History and Theory Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARHT2610 Art and Society in Trecento Italy	6	P ARHT1001 and ARHT1002 N ARHT2010	Semester 1
ARHT2611 Art and Experience in Renaissance Italy	6	P ARHT1001, ARHT1002 N ARHT2011 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ARHT2612 17th Century Art: Royalty and Riches	6	P ARHT1001 and ARHT1002 N ARHT2012	Semester 2
ARHT2613 The Art of France	6	P ARHT1001 and ARHT1002 N ARHT2013 <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 1
ARHT2624 Contemporary International Art	6	P ARHT1001 and ARHT1002 N ARHT2024 <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 2
ARHT2632 Modern Australian Art and Cinema	6	P ARHT1001 and ARHT1002 N ARHT2032	Semester 2
ARHT2636 Contemporary Indigenous Australian Art	6	P ARHT1001 and ARHT1002 N ARHT2036 <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 1
ARHT2640 Modern and Contemporary Asian Art	6	P ARHT1001 and ARHT1002 or ASNS1001 and ASNS1002 or ASNS1001 and ASNS1101 N ARHT2040	Semester 1
ARHT2641 Art and Archaeology of South East Asia	6	P 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 N ARHT2041	Semester 2 Summer Late
ARHT2652 From Silent to Sound Cinema	6	P ARHT1001 and ARHT1002 (For Art History Major) ARHT1002 or ENGL1025 (For Film Major) N ARHT2052 <i>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.</i>	Semester 2
ARHT2655 Modern Cinema: Modes of Viewing	6	P ARHT1001 and ARHT1002 (For Art History Major) ARHT1002 or ENGL1025 (for Film Majors) N ARHT2055	Semester 2 Summer Main
ARHT2656 National and Transnational Cinemas	6	P ARHT1001 and ARHT1002 (For Art History Major) ARHT1002 or ENGL1025 (for Film Majors) N ARHT2056	Semester 1
ARHT2810 Art History and Theory Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARHT2811 Art History and Theory Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARHT2812 Art History and Theory Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARHT2813 Art History and Theory Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARHT2814 Art History and Theory Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARHT4011 Art History and Theory Honours A	12	P Students wishing to do Honours should have results of credit or better in at least 48 senior ARHT credit points. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARHT4012 Art History and Theory Honours B	12	C ARHT4011	Semester 1 Semester 2
ARHT4013 Art History and Theory Honours C	12	C ARHT4012	Semester 1 Semester 2
ARHT4014 Art History and Theory Honours D	12	C ARHT4013	Semester 1 Semester 2
Arts (no major available)			
ARTS2600 Internship 1	6	<i>Note: Department permission required for enrolment only available to incoming Study Abroad students</i>	Semester 1 Semester 2
ARTS2801 Arts Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARTS2802 Arts Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARTS2803 Arts Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARTS2804 Arts Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Asian Studies			
ASNS1101 Introduction to Chinese Civilisation	6	No prior knowledge is assumed. All teaching and all assigned readings are in English; however, a Chinese-language tutorial option may be provided.	Semester 1
ASNS1601 Asian Traditions: Past in the Present	6		Semester 1
ASNS1602 Modernity in Asia	6		Semester 2
ASNS1801 Asian Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
ASNS2612 Chinese Religions in Modernity	6	P 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook.	Semester 1
ASNS2621 Buddhist Philosophy	6	P 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. N ASNS2313	Semester 2 Summer Late
ASNS2623 India: Tradition and Modernity	6	P 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2
ASNS2625 Buddhism in Modern Asia	6	P 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook.	Semester 1
ASNS2632 Modern Japanese Social History	6	P 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. N ASNS2308 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
ASNS2634 Samurai and Merchants: Tokugawa Japan	6	P 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. N ASNS2304 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2
ASNS2642 Modern Korea	6	P 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. N ASNS2502	Semester 2
ASNS2651 Asian Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
ASNS2652 Asian Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
ASNS2653 Asian Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
ASNS2654 Asian Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
ASNS2655 Asian Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
ASNS2656 Asian Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
ASNS2661 History of Modern Indonesia	6	P 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. N INMS2901, ASNS2401 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
ASNS2663 Social Activism in Southeast Asia	6	P 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
ASNS2664 Southeast Asia Transformed	6	P 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2
ASNS2670 Mass Media in East Asia	6	P 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. N KRNS2600, ASNS2600	Semester 1 Summer Main
ASNS2672 Japan in East Asia from 1840 until Today	6	P 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook.	Semester 1
ASNS2676 Gender in Modern Asia	6	P 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook.	Semester 2 Summer Early
ASNS3617 Citizens and Politics in China Today	6	P 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. 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.	Semester 2
ASNS3618 Popular China	6	P 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook.	Semester 2
ASNS3619 China and Globalisation	6	P 12 credit points from junior level Asian Studies, or other subject areas listed in Table A in the Faculty of Arts Handbook. This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ASNS3690 Approaches to Research in Asian Studies	6	P Credit average or above in a minimum of 30 senior credit points of Asian studies or Asian language. N ASNS3902, JPNS3902, CHNS3902, INMS3902 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ASNS4011 Asian Studies Honours A	12	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ASNS4012 Asian Studies Honours B	12	C ASNS4011	Semester 1 Semester 2
ASNS4013 Asian Studies Honours C	12	C ASNS4012	Semester 1 Semester 2
ASNS4014 Asian Studies Honours D	12	C ASNS4013	Semester 1 Semester 2
Australian Literature (see English)			
Australian Studies			
ASTR2601 Australia: Land and Nation	6	P 18 junior credit points N ASTR2001 <i>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.</i>	Semester 1
Biblical Studies			
BBCL1001 Biblical Studies 1	6		Semester 1
BBCL1002 Biblical Studies 2	6		Semester 2
BBCL2605 Literature of Second Temple Judaism	6	P BBCL1001, BBCL1002 N BBCL2005	Semester 1
BBCL2606 Jewish Apocalyptic Literature	6	P BBCL1001, BBCL1002 N BBCL2006	Semester 2
BBCL4011 Biblical Studies Honours A	12	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BBCL4012 Biblical Studies Honours B	12	C BBCL4011	Semester 1 Semester 2
BBCL4013 Biblical Studies Honours C	12	C BBCL4012	Semester 1 Semester 2
BBCL4014 Biblical Studies Honours D	12	C BBCL4013	Semester 1 Semester 2
Celtic Studies			
CLST2601 Defining the Celts	6	P 18 Junior Credit Points	Semester 1
CLST2602 Old Irish 2	6	P CLST2606	Semester 2
CLST2603 Middle Welsh 2	6	P CLST2604	Semester 2
CLST2604 Middle Welsh 1	6	P 18 Junior Credit Points <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (advanced) degree programme</i>	Semester 1
CLST2605 Celts in History	6	P 18 Junior credit points	Semester 2
CLST2606 Old Irish 1	6	P 18 Junior credit points <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (advanced) degree programme</i>	Semester 1
CLST2607 Modern Irish Linguistics	6	P 12 Senior Credit Points <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (advanced) degree programme</i>	Semester 2
CLST4011 Celtic Studies Honours A	12	P A major in Celtic Studies plus 12 additional credit points, all with a credit average <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CLST4012 Celtic Studies Honours B	12	C CLST4011	Semester 1 Semester 2
CLST4013 Celtic Studies Honours C	12	C CLST4012	Semester 1 Semester 2
CLST4014 Celtic Studies Honours D	12	C CLST4013	Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Chinese Studies			
CHNS1101 Chinese 1A (For Beginners)	6	A 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. C Students are strongly advised to take ASNS1101, Introduction to Chinese Civilisation. N HSC Chinese for Background Speakers; eligibility for CHNS1201 or higher <i>Students must attend a placement interview with a staff member of the department of Chinese Studies prior to enrolment.</i>	Semester 1 Summer Main
CHNS1102 Chinese 1B (For Beginners)	6	A One semester of Chinese at introductory level, preferably using full-form characters. P CHNS1101 N HSC Chinese for Background Speakers, eligibility for CHNS1201 or higher	Semester 2 Summer Late
CHNS1201 Chinese 1C (For Advanced Beginners)	6	A Native- or near-native-speaker fluency in a spoken Chinese language (e.g., putonghua, Cantonese) combined with no, or very limited, knowledge of characters. C Students are strongly advised to take ASNS1101, Introduction to Chinese Civilisation N HSC Chinese for Background Speakers; eligibility for higher-level classes <i>Students must attend a placement interview with a staff member of the department of Chinese Studies prior to enrolment.</i>	Semester 1
CHNS1202 Chinese 1D (For Advanced Beginners)	6	A 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. P CHNS1201 N HSC Chinese for Background Speakers; eligibility for higher-level classes	Semester 2
CHNS1801 Chinese Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS1802 Chinese Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2601 Chinese 2A (Lower Intermediate)	6	A One year (approx. 5 hours per week for 26 weeks) of Chinese at introductory level, preferably using full-form characters. P CHNS1102 N HSC Chinese for Background Speakers or equivalent, CHNS2101	Semester 1
CHNS2602 Chinese 2B (Lower Intermediate)	6	A Sound intermediate knowledge of Modern Standard Chinese, including full mastery of about 1000 characters (preferably full-form). P CHNS2601 or CHNS2101 N HSC Chinese for Background Speakers or equivalent, CHNS2102	Semester 2
CHNS2611 Classical Chinese A	6	A Minimum of one year of Chinese at introductory level, preferably using full-form characters P CHNS1102 or CHNS1202 or CHNS2602 or CHNS3604 or CHNS2102 or CHNS3104 or CHNS2204 or department permission N HSC Chinese for Background Speakers (or equivalent), CHNS2111, CHNS2903, CHNS1313	Semester 1
CHNS2612 Classical Chinese B	6	P CHNS2611; or CHNS2111; or HSC Chinese for Background Speakers (or equivalent) plus department permission; or CHNS1313 plus department permission or CHNS2903 N CHNS2112, CHNS2904, CHNS1314	Semester 2
CHNS2650 Chinese In-Country Study A	6	A 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. P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2651 Chinese In-Country Study B	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2652 Chinese In-Country Study C	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2653 Chinese In-Country Study D	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2654 Chinese In-Country Study E	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2655 Chinese In-Country Study F	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2656 Chinese In-Country Study G	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2657 Chinese In-Country Study H	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2810 Chinese Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2811 Chinese Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2812 Chinese Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS2813 Chinese Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS3601 Chinese 3A (Upper Intermediate)	6	A Two years of university-level Chinese-language instruction for students without prior knowledge of Chinese. P CHNS2602 or CHNS2102 N HSC Chinese for Background Speakers or equivalent; CHNS3103	Semester 1
CHNS3602 Chinese 3B (Upper Intermediate)	6	A Two and a half years of university-level Chinese-language instruction for students without prior knowledge of Chinese. P CHNS3601 or CHNS3103 N HSC Chinese for Background Speakers or equivalent; CHNS3104	Semester 2
CHNS3603 Chinese 4A (Advanced)	6	P CHNS1202 or CHNS3602 or CHNS3104 N HSC Chinese for Background Speakers or equivalent; CHNS2203; CHNS2204	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
CHNS3604 Chinese 4B (Advanced)	6	P CHNS3603 or CHNS2203 N HSC Chinese for Background Speakers or equivalent; CHNS2204	Semester 2
CHNS3605 Advanced Chinese Studies A	6	P 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). N HSC Chinese for Background Speakers (or equivalent).	Semester 1
CHNS3606 Advanced Chinese Studies B	6	P 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)]	Semester 2
CHNS3608 Chinese for Business Purposes (A)	6	A Sound intermediate knowledge of Modern Standard Chinese P CHNS2602, CHNS1202 or CHNS2102 C CHNS3601 or CHNS3603 N HSC Chinese for Background Speakers or equivalent; CHNS3421	Semester 1
CHNS3608 Chinese for Business Purposes (A)	6	A Sound intermediate knowledge of Modern Standard Chinese P CHNS2602, CHNS1202 or CHNS2102 C CHNS3601 or CHNS3603 N HSC Chinese for Background Speakers or equivalent; CHNS3421	Semester 1
CHNS3609 Chinese for Business Purposes (B)	6	A Sound intermediate to advanced knowledge of Modern Standard Chinese; basic grounding in Chinese for business purposes. P CHNS3608 or CHNS3421 C CHNS3602 or CHNS3604 N HSC Chinese for Background Speakers or equivalent; CHNS3422	Semester 2
CHNS3633 Lu Xun and China's Modern Literature	6	A Advanced or native-speaker proficiency in reading Chinese P 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. N CHNS3533 <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 2
CHNS3634 Gender in Modern Chinese Literature	6	A Advanced or native-speaker proficiency in reading Chinese. P 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. N CHNS3538 <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 1
CHNS3642 Governing China: The Premodern Heritage	6	P 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). N CHNS 3452, Readings in Chinese Statecraft; CHNS 3552, Readings in Chinese Statecraft (Adv) <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 1
CHNS3645 Classical Chinese Prose	6	P CHNS2112 or CHNS1314 or CHNS2904 or CHNS2612 N CHNS3547; CHNS3447 <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 2
CHNS4011 Chinese Honours A	12	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHNS4012 Chinese Honours B	12	P See under CHNS4011. C CHNS4011	Semester 1 Semester 2
CHNS4013 Chinese Honours C	12	P See under CHNS4011. C CHNS4012	Semester 1 Semester 2
CHNS4014 Chinese Honours D	12	P See under CHNS4011. C CHNS4013	Semester 1 Semester 2
Classical Studies			
CLCV1801 Classical Civilisation Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CLCV1802 Classical Civilisation Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CLSS2603 Greek and Roman Literature - Epic	6	P 18 Junior credit points N GRLT2301	Semester 2
CLSS2804 Classical Civilisation Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CLSS2805 Classical Civilisation Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CLSS4011 Classics Honours A	12	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CLSS4012 Classics Honours B	12	C CLSS4011	Semester 1 Semester 2
CLSS4013 Classics Honours C	12	C CLSS4012	Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
CLSS4014 Classics Honours D	12	C CLSS4013	Semester 1 Semester 2
Comparative Literary Studies (see International Comparative Literary Studies)			
Cultural Studies			
GCST2601 Introducing Media and Popular Culture	6	P 18 junior credit points N WMST2001	Semester 1 Winter Main
GCST2603 Animal/Human Cultures	6	P 18 Junior credit points	Semester 2
GCST2606 Genres in Cultural Context	6	P 18 Junior credit points	Semester 1
GCST2608 Gender, Communities and Difference	6	P 18 Junior credit points N WMST2008 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
GCST2612 Youth Cultures: Images & Ideas of Youth	6	P 18 junior credit points N WMST2012 <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 1 Summer Main
GCST2812 Cultural Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GCST2813 Cultural Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GCST2814 Cultural Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GCST2815 Cultural Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GCST2816 Cultural Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GCST2817 Cultural Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GCST2818 Cultural Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GCST2819 Cultural Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GCST3603 Consumer Cultures	6	P 18 Junior credit points, including 6 credit points in GCST N WMST3003 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
GCST3604 Cultural Theory	6	P 18 junior credit points including at least 6 credit points GCST <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
GCST4101 Arguing the Point	6	P 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) N WMST4011 <i>Note: Department permission required for enrolment</i> <i>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.</i>	Semester 1
GCST4102 Research Skills	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1
GCST4111 Cultural Studies Honours Seminar A	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
GCST4112 Cultural Studies Honours Seminar B	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
GCST4113 Cultural Studies Honours Thesis A	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
GCST4114 Cultural Studies Honours Thesis B	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
GCST4115 Cultural Studies Honours Thesis C	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
GCST4116 Cultural Studies Honours Thesis D	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
Digital Cultures			
ARIN2600 Technocultures	6	P 18 junior credit points N ARIN3000	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ARIN2610 Web Production	6	P 18 junior credit points N ARIN2100	Semester 2 Summer Main
ARIN2620 Cyberworlds	6	P 18 junior credit points N ARIN2200 <i>May be cross-listed for a Sociology major</i>	Semester 1
ARIN2630 Digital Arts	6	P 18 junior credit points N ARIN2300 <i>May be cross-listed for an Art History and Theory major.</i>	Semester 2
ARIN2801 Digital Cultures Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN2802 Digital Cultures Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN2803 Digital Cultures Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN2804 Digital Cultures Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN2805 Digital Cultures Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN2806 Digital Cultures Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN2807 Digital Cultures Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN2808 Digital Cultures Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN3620 Researching Digital Cultures	6	P 18 senior credit points N ARIN2000	Semester 2
ARIN3640 Computer Games and Simulation	6	P 18 junior credit points	Semester 1
ARIN3650 Digital Cultures Project 1	6	P ISYS3403 (ISYS3113), ISYS3400 (ISYS3207) and ARIN3620 (ARIN2000) N ARIN3500, ARIN3600	Semester 1
ARIN3660 Digital Cultures Project 2	6	P ISYS3403 (ISYS3113), ISYS3400 (ISYS3207), ARIN3620 (ARIN2000) and ARIN3650 N ARIN3500, ARIN3600	Semester 2
ARIN3670 Digital Cultures Internship	6	P ARIN1000 and either ISYS1003 or INFO1000 or INFO1003; 36 senior credit points of ARIN and ISYS/INFO C ARIN3680 N 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. <i>Note: Department permission required for enrolment</i> <i>Students will usually not enrol in ARIN3670 until the second semester of their 3rd year.</i>	Semester 1 Semester 2
ARIN3680 Digital Cultures Internship Project	6	P ARIN1000 and either ISYS1003 or INFO1000 or INFO1003; 36 senior credit points of ARIN and ISYS/INFO C ARIN3670	Semester 1 Semester 2
ARIN4011 Digital Cultures Honours A	12	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ARIN4012 Digital Cultures Honours B	12	C ARIN4011	Semester 1 Semester 2
ARIN4013 Digital Cultures Honours C	12	C ARIN4012	Semester 1 Semester 2
ARIN4014 Digital Cultures Honours D	12	C ARIN4013	Semester 1 Semester 2
English			
ENGL1002 Narratives of Romance and Adventure	6		Semester 1
ENGL1007 Language, Texts and Time	6		Semester 2
ENGL1008 Australian Texts: International Contexts	6		Semester 1
ENGL1025 Fiction, Film and Power	6		Semester 2
ENGL1801 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL1802 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL2623 Twentieth Century Literature: Modernism	6	P 12 Junior credit points of English N ENGL2023	Semester 2
ENGL2629 Victorian Literature	6	P 12 junior credit points of English N ENGL2029	Semester 2
ENGL2638 Literature and Cinema	6	P 12 junior credit points of English N ENGL2038	Semester 1
ENGL2640 Shakespeare	6	P 12 junior credit points of English N ENGL2040	Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ENGL2652 Modern Rhetoric	6	P 12 junior credit points of English N ENGL2052 <i>May be cross listed to a major in Linguistics</i>	Semester 2
ENGL2653 Varieties of English Grammar	6	P 12 junior credit points in English or Linguistics N ENGL2053	Semester 1
ENGL2657 Myths, Legends and Heroes	6	P 12 Junior credit points of English	Semester 1 Summer Main
ENGL2658 Love and Desire in Early Modern England	6	P 12 junior credit points in English <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ENGL2659 The 18th Century: Scandal & Sociability	6	P 12 junior credit points in English <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ENGL2660 Reading the Nation: Modern U.S. Writing	6	P 12 Junior credit points of English	Semester 1
ENGL2811 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL2812 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL2813 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL2814 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL2815 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL2816 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL2817 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL2818 English Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL3604 Cinematic Modernism	6	P Credit or above in 18 senior credit points of English <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ENGL3605 Canonical Poetry	6	P Credit or above in 12 senior credit points of English <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ENGL3606 Fantastical Women	6	P Credit or above in 12 senior credit points of English <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ENGL3612 English Language and Literary Theory B	6	P Credit or above in 12 senior credit points of English <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ENGL3633 Introduction to Old English	6	P Credit or above in 12 senior credit points of English N Students who have completed ENGL3621, ENGL3622, ENGL3631, ENGL3632 must consult co-ordinator. <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ENGL3634 Continuing Old English	6	P ENGL3633 N Students who have completed ENGL3621, ENGL3622, ENGL3631, ENGL3632 must consult co-ordinator <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ENGL3635 Introduction to Old Norse	6	P Credit or above in 12 senior credit points of English N Students who have completed ENGL3621, ENGL3622, ENGL3631, ENGL3632 must consult co-ordinator. <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ENGL3636 Continuing Old Norse	6	P ENGL3635 N Students who have completed ENGL3621, ENGL3622, ENGL3631, ENGL3632 must consult co-ordinator <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ENGL3643 The Canterbury Tales	6	P Credit or above in 12 senior credit points of English <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ENGL3651 Studies in Early Modern English A	6	P Credit or above in 12 Senior credit points of English N ENGL3922 <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 1
ENGL3652 Studies in Early Modern English B	6	P Credit or above in 12 senior credit points of English <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ENGL3661 The Long Nineteenth Century A	6	P Credit or above in 12 senior credit points of English N ENGL3924 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ENGL3662 The Long Nineteenth Century B	6	P Credit or above in 12 senior credit points of English <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ENGL3962 English: The Text and the Critic	6	P Credit or above in 18 senior credit points of English C either ENGL3961 or ENGL3964 N ENGL3910, ENGL3920, ASLT3602 <i>Note: Department permission required for enrolment</i> <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ENGL3964 English Studies: Research Methods	6	P Credit or above in 18 senior credit points of English C ENGL3962 N ENGL3961, ASLT3601 <i>Note: Department permission required for enrolment</i> <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ENGL4101 English Honours A	12	P 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) <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ENGL4102 English Honours B	12	C ENGL4101	Semester 1 Semester 2
ENGL4103 English Honours C	12	C ENGL4102	Semester 1 Semester 2
ENGL4104 English Honours D	12	C ENGL4103	Semester 1 Semester 2
ASLT2601 Australian Literature 1920-1960	6	P 12 junior credit points N ASLT2001	Semester 1
ASLT2602 Australian Literature 1960-1988	6	P 12 junior credit points N ASLT2002 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2 Summer Main
ASLT2605 Reorientations in Australian Literature	6	P 12 junior credit points N ASLT2005 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ASLT2619 Australian Gothic	6	P 12 junior credit points <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 2
ASLT3601 Australian Literature Research Methods	6	P 12 senior credit points in Australian Literature with credit average N ASLT3901, ENGL3964 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ASLT3602 Australian Literature Research Issues	6	P 12 senior credit points in Australian Literature with Credit average and ASLT3601 N ASLT3902, ENGL3962 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ASLT4011 Australian Literature Honours A	12	P 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) <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ASLT4012 Australian Literature Honours B	12	C ASLT4011	Semester 1 Semester 2
ASLT4013 Australian Literature Honours C	12	C ASLT4012	Semester 1 Semester 2
ASLT4014 Australian Literature Honours D	12	C ASLT4013	Semester 1 Semester 2
European Studies			
EUST2611 European & Middle Eastern Myth & Legend	6	P 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.	Semester 2
EUST2612 Regionalisms in Europe & the Middle East	6	P 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.	Semester 1
EUST2613 Romanticism and Revolution	6	P 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.	Semester 1
EUST2805 European Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
EUST2806 European Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
EUST2807 European Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
EUST2808 European Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
EUST4011 European Studies Honours A	12	P Permission from the Director of European Studies <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
EUST4012 European Studies Honours B	12	C EUST4011	Semester 1 Semester 2
EUST4013 European Studies Honours C	12	C EUST4012	Semester 1 Semester 2
EUST4014 European Studies Honours D	12	C EUST4013	Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Film Studies			
FILM2810 Film Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FILM2811 Film Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FILM2812 Film Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FILM2813 Film Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FILM2814 Film Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FILM2815 Film Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FILM4101 Film Studies Honours A	12	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FILM4102 Film Studies Honours B	12	C FILM4101	Semester 1 Semester 2
FILM4103 Film Studies Honours C	12	C FILM4102	Semester 1 Semester 2
FILM4104 Film Studies Honours D	12	C FILM4103	Semester 1 Semester 2
French Studies			
FRNC1611 Junior French Introductory 1	6	P Complete beginners, or less than 2 years of French, or less than 65% in Beginners HSC French N FRNC1101	Semester 1 Summer Main
FRNC1612 Junior French Introductory 2	6	P FRNC1611 or FRNC1101 or equivalent N FRNC1102	Semester 2
FRNC1621 Junior French Intermediate 3	6	P Less than 80% in HSC French Continuers or more than 65% in HSC French Beginners or equivalent N FRNC1201	Semester 1
FRNC1622 Junior French Intermediate 4	6	P FRNC1621 or FRNC1201 or equivalent N FRNC1202	Semester 2
FRNC1631 Junior French Advanced 5	6	P HSC French Continuers and Extension or more than 80% in Continuers French N FRNC1301	Semester 1
FRNC1632 Junior French Advanced 6	6	P FRNC1631 or FRNC1301 or equivalent N FRNC1302	Semester 2
FRNC1801 French Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC1802 French Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC2611 Senior French Intermediate 1	6	P FRNC1622, FRNC1612, FRNC1202, FRNC1102 or equivalent N FRNC2103	Semester 1
FRNC2612 Senior French Intermediate 2	6	P FRNC2611, FRNC2103 or equivalent N FRNC2104	Semester 2
FRNC2614 French Reading 1: Text and Society	6	P FRNC1612, FRNC1622, FRNC1102, FRNC1202 or equivalent N FRNC2621, FRNC3631, FRNC2501, FRNC3621, FRNC3622 <i>This unit is required for students intending to major or take options in their third year</i>	Semester 1
FRNC2615 Literature and Theatre	6	P FRNC2614, FRNC2501 or equivalent N FRNC2502, FRNC2622, FRNC3631, FRNC3621, FRNC3622 <i>This unit is required for students intending to major or take options in their third year</i>	Semester 2
FRNC2621 Senior French Intermediate 3	6	P FRNC2612, FRNC2104 or equivalent N FRNC3105	Semester 1
FRNC2622 Senior French Intermediate 4	6	P FRNC2621, FRNC3105 or equivalent N FRNC3106	Semester 2
FRNC2651 Introduction à la Linguistique	6	P FRNC1302 or FRNC1632 or FRNC2502 or FRNC2615 or equivalent N FRNC2602	Semester 1
FRNC2666 Research Methods in French Studies	6	P Credit in FRNC1632 or FRNC2615 or FRNC1302 or FRNC2502	Semester 2
FRNC2681 French Narrative Cinema	6	P FRNC1632, FRNC1302, FRNC2615 or FRNC2502 N FRNC2802	Semester 2
FRNC2682 The Legend of the Holy Grail	6	P FRNC1302 or FRNC2502 or FRNC1632 or FRNC2615 or equivalent N FRNC2901 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
FRNC2803 French Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC2804 French Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC2805 French Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
FRNC2806 French Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC2807 French Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC2808 French Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC3621 Senior French Advanced 5	6	P FRNC1632, FRNC1302 or equivalent N FRNC2303	Semester 1
FRNC3622 Senior French Advanced 6	6	P FRNC3621, FRNC2303 or equivalent. N FRNC2304	Semester 2
FRNC3631 Senior French Advanced 7	6	P FRNC3622, FRNC2304 or equivalent N FRNC3305	Semester 1
FRNC3653 French Translation	6	P Credit in FRNC1632, FRNC1302, FRNC2615, FRNC2502 or equivalent N FRNC3810 <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 1
FRNC3655 French Sociolinguistics	6	P FRNC1302 or FRNC1632 (Junior French 6) or FRNC2502 or FRNC2615 (French reading 2) or equivalent	Semester 2
FRNC3672 Francophone Studies 2	6	P FRNC1302 or FRNC1632 or FRNC2502 or FRNC2615 or equivalent	Semester 1
FRNC3801 French In-Country Study	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC4011 French Honours A	12	P Major in Advanced French or in French with credit average in 48 senior units, including the following units: FRNC2666 and FRNC3631 or equivalent <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
FRNC4012 French Honours B	12	C FRNC4011	Semester 1 Semester 2
FRNC4013 French Honours C	12	C FRNC4012	Semester 1 Semester 2
FRNC4014 French Honours D	12	C FRNC4013	Semester 1 Semester 2
Gender Studies			
GCST2602 Suffragettes to Cyborgs	6	P 18 Junior credit points N WMST2002	Semester 1
GCST2604 Sex, Violence and Transgression	6	P 18 Junior credit points N WMST2004 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2 Summer Late
GCST2607 Bodies, Sexualities, Identities	6	P 18 junior credit points. N WMST2007 <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 1 Summer Late
GCST2609 Cultures of Masculinities	6	P 18 Junior credit points N WMST2009 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1 Winter Main
GCST2610 Intimacy, Love and Friendship	6	P 18 Junior credit points N WMST2010 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
GCST2804 Gender Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GCST2805 Gender Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GCST2806 Gender Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GCST2810 Gender Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GCST2811 Gender Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GCST3601 Gender, Race and Australian Identities	6	P 18 Junior credit points, including 6 credit points in GCST N WMST3001 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
GCST3603 Consumer Cultures	6	P 18 Junior credit points, including 6 credit points in GCST N WMST3003 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
GCST3604 Cultural Theory	6	P 18 junior credit points including at least 6 credit points GCST <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
GCST4101 Arguing the Point	6	P 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) N WMST4011 <i>Note: Department permission required for enrolment</i> <i>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.</i>	Semester 1
GCST4102 Research Skills	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1
GCST4103 Gender Studies Honours Seminar A	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
GCST4104 Gender Studies Honours Seminar B	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
GCST4105 Gender Studies Honours Thesis A	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
GCST4106 Gender Studies Honours Thesis B	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
GCST4107 Gender Studies Honours Thesis C	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
GCST4108 Gender Studies Honours Thesis D	6	C GCST4101 <i>Note: Department permission required for enrolment</i> <i>See GCST4101</i>	Semester 1 Semester 2
WMST4011 Gender Studies Honours A	12	P GCST2602 (or WMST2002) at credit level or higher and an additional 36 credit points of Gender Studies <i>Note: Department permission required for enrolment</i> <i>Available only to students who commenced Gender Studies Honours before 2007</i>	Semester 1 Semester 2
WMST4012 Gender Studies Honours B	12	C WMST4011 <i>Available only to students who commenced Gender Studies Honours before 2007</i>	Semester 1 Semester 2
WMST4013 Gender Studies Honours C	12	C WMST4012 <i>Available only to students who commenced Gender Studies Honours before 2007</i>	Semester 1 Semester 2
WMST4014 Gender Studies Honours D	12	C WMST4013 <i>Available only to students who commenced Gender Studies Honours before 2007</i>	Semester 1 Semester 2
Germanic Studies			
GRMN1111 Junior German 1	6	N HSC German Extension, German Continuers, German Beginners 70% or above or equivalent	Semester 1
GRMN1122 Junior German 2	6	P GRMN1111	Semester 2
GRMN1211 Junior German 3	6	P HSC German Beginners 70% or above or German Continuers below 70% or equivalent	Semester 1
GRMN1222 Junior German 4	6	P GRMN1211	Semester 2
GRMN1311 Junior German 5	6	P HSC German Extension or German Continuers 70% or above or equivalent	Semester 1
GRMN1322 Junior German 6	6	P GRMN1311	Semester 2
GRMN2611 Senior German 1	6	P GRMN1122 N GRMN2211, GRMN2222, GRMN2311, GRMN2322, GRMN2331, GRMN2342, GRMN2351, GRMN2362	Semester 1
GRMN2612 Senior German 2	6	P GRMN2611 or GRMN2211 N GRMN2222, GRMN2311, GRMN2322, GRMN2331, GRMN2342, GRMN2351, GRMN2362	Semester 2
GRMN2613 Senior German 3	6	P GRMN1222 or GRMN2222 or GRMN2612 N GRMN2311, GRMN2322, GRMN2331, GRMN2342, GRMN2351, GRMN2362	Semester 1
GRMN2614 Senior German 4	6	P GRMN2613 or GRMN2311 N GRMN2322, GRMN2331, GRMN2342, GRMN2351, GRMN2362	Semester 2
GRMN2615 Senior German 5	6	P GRMN2322 or GRMN2614 N GRMN2331, GRMN2342, GRMN2351, GRMN2362	Semester 2
GRMN2616 Senior German 6	6	P GRMN1322 or GRMN2615 N GRMN2342, GRMN2351, GRMN2362	Semester 1
GRMN2617 Senior German 7	6	P GRMN2331 or GRMN2616 N GRMN2351, GRMN2362	Semester 2
GRMN2618 Senior German 8	6	P GRMN2342 or GRMN2617 N GRMN2362	Semester 1
GRMN2631 Reading Comprehension and Text Study	6	P (GRMN1111 and GRMN1122) or (GRMN1211 and GRMN1222) N GRMN1311, GRMN1322, GRMN2342, GRMN2616, GRMN2530, GRMN2351, GRMN2617, GRMN2362, GRMN2618	Semester 1
GRMN2633 Topics in German Film	6	P 12 Junior credit points of German not including GRMN1133 N GRMN2455	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
GRMN2635 Contemporary German Fiction	6	P 12 Junior credit points of German not including GRMN1133 N GRMN2913 <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 1
GRMN2637 Business German	6	P GRMN1222, GRMN1322, GRMN2222 or GRMN2612	Semester 2
GRMN2638 Gender & Sexuality in German Literature	6	P 12 Junior credit points of German not including GRMN1133 N GRMN2950	Semester 1
GRMN2641 German Culture and Society 1806-1848	6	P 12 Junior credit points of German not including GRMN1133	Semester 1
GRMN2642 German Culture and Society 1849-1914	6	P 12 Junior credit points of German not including GRMN1133	Semester 2
GRMN2683 German Literature and Culture	6	P Credit average in 12 Junior credit points of German not including GRMN1133	Semester 2
GRMN2685 Artificial Humans in German Culture	6	P Credit average in 12 Junior credit points of German <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 1
GRMN2811 Germanic Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRMN2812 Germanic Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRMN2813 Germanic Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRMN2814 Germanic Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRMN2815 Germanic Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRMN4011 German Honours A	12	P 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) <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRMN4012 German Honours B	12	C GRMN4011	Semester 1 Semester 2
GRMN4013 German Honours C	12	C GRMN4012	Semester 1 Semester 2
GRMN4014 German Honours D	12	C GRMN4013	Semester 1 Semester 2
Global Studies (For Continuing Bachelor of Global Studies Students only)			
GBST2601 Global Studies, Society, Culture, Nation	6	P GBST1001 and ANTH1002	Semester 1
GBST2602 Human Rights & the Global Public Sphere	6	P GBST1001 and ANTH1002	Semester 2
GBST2604 Global Communication	6	P GBST1001, ANTH1002	Semester 2
GBST2801 Global Studies Exchange 1	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GBST2802 Global Studies Exchange 2	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GBST2803 Global Studies Exchange 3	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GBST2804 Global Studies Exchange 4	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GBST2805 Global Studies Exchange 5	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GBST2806 Global Studies Exchange 6	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GBST2807 Global Studies Exchange 7	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GBST2808 Global Studies Exchange 8	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Government and International Relations			
GOVT1001 Government Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GOVT1101 Australian Politics	6		Semester 1 Semester 2
GOVT1105 Geopolitics	6		Semester 2
GOVT1202 World Politics	6		Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
GOVT1881 Government Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GOVT1882 Government Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GOVT2114 The Australian Political Party System	6	P Two GOVT1000 level units of study N GOVT2104	Semester 2
GOVT2116 Australian Foreign and Defence Policy	6	P Two GOVT1000 level units of study N GOVT2106	Semester 1
GOVT2221 Politics of International Economic Rels	6	P Two GOVT1000 level units of study N GOVT2201	Semester 1
GOVT2225 International Security in 21st Century	6	P Two GOVT1000 level units of study N GOVT2205	Semester 1
GOVT2226 International Organisations	6	P Two GOVT1000 level units of study N GOVT2206	Semester 1
GOVT2228 Environmental Politics	6	P Two GOVT1000 level units of study N GOVT2208 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
GOVT2331 Social Change and Politics	6	P Two GOVT1000 level units of study N GOVT2301	Semester 2
GOVT2336 Gender and Human Rights	6	P Two GOVT1000 level units of study N GOVT2306	Semester 1
GOVT2440 Globalisation and National Governance	6	P Two GOVT1000 level units of study N GOVT2410	Semester 2
GOVT2445 American Politics and Foreign Policy	6	P Two GOVT1000 level units of study N GOVT2405	Semester 1
GOVT2552 Policy Analysis	6	P Two GOVT1000 level units of study N GOVT2502 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
GOVT2557 Public Sector Management	6	P Two GOVT1000 level units of study N GOVT2507	Semester 2
GOVT2558 Government, Business and Society	6	P 4 junior units of study	Semester 1
GOVT2611 Capitalism and Democracy in East Asia	6	P Two GOVT1000 level units of study N GOVT2411	Semester 2
GOVT2774 Islam: Democracy, Development and Gender	6	P Two GOVT1000 level units of study	Semester 2
GOVT2801 Applied International Studies	6	P Four core junior BIntS units of study (GOVT1105, GOVT1202, ECOP1001, ECOP1003) <i>This unit is only available to students enrolled in the Bachelor of International Studies</i>	Semester 2
GOVT2802 International Studies Practicum	6	P Four core junior BIntS units of study (GOVT1105, GOVT1202, ECOP1001, ECOP1003) <i>This unit is only available to students enrolled in the Bachelor of International Studies.</i>	Semester 2
GOVT2881 Government Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GOVT2882 Government Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GOVT2883 Government Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GOVT2884 Government Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GOVT2885 Government Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GOVT2991 Government 2 Honours	6	P Two junior Government units at the level of Credit or better, or with the consent of the Honours Coordinator, Dr Ariadne Vromen N GOVT2091 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
GOVT3993 Government 3 Honours Part A	6	P 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. N GOVT3991 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
GOVT3994 Government 3 Honours Part B	6	P 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. N GOVT3992 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
GOVT4101 Government Honours A	12	P 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. C Must enrol in GOVT4101, 4102, 4103, and 4104 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
GOVT4102 Government Honours B	12	P 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. C Must enrol in GOVT4101 and 4102 and 4103 and 4104	Semester 1 Semester 2
GOVT4103 Government Honours C	12	P 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 C Must enrol in GOVT4101, 4102, 4103, and 4104	Semester 1 Semester 2
GOVT4104 Government Honours D	12	P 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 C Must enrol in GOVT4101, 4102, 4103, and 4104	Semester 1 Semester 2
Greek (Ancient)			
GRKA1600 Introduction to Ancient Greek 1	6	N GRKA1001, GRKA2611, GRKA2620	Semester 1
GRKA1601 Introduction to Ancient Greek 2	6	P GRKA1600 or GRKA1001 N GRKA1002, GRKA2612, GRKA2621	Semester 2
GRKA2600 Intermediate Greek 1	6	P HSC Greek or GRKA1601 or GRKA2621 or GRKA2612 or GRKA1002 N GRKA2603	Semester 1
GRKA2601 Intermediate Greek 2	6	P GRKA2600 or GRKA2603	Semester 2
GRKA2620 Reading Greek 1	6	N GRKA1600, GRKA1001, GRKA2611	Semester 1
GRKA2621 Reading Greek 2	6	P GRKA1600 or GRKA2603 or GRKA2611 or GRKA2620 N GRKA1601, GRKA1002, GRKA2612	Semester 2
GRKA2804 Greek (Ancient) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRKA2805 Greek (Ancient) Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRKA3600 Advanced Greek	6	P GRKA2601 or equivalent <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 1
GRKA3602 Greek Epic	6	C GRKA2601 or equivalent	Semester 2
GRKA3604 Greek Philosophical Texts	6	C GRKA3600 or by permission of department	Semester 1
GRKA3606 Classics of Greek Literature	6	C 18 GRKA credit points at 3000 level	Semester 2
GRKA4011 Greek Honours A	12	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GRKA4012 Greek Honours B	12	P Refer to GRKA4011 C GRKA4011	Semester 1 Semester 2
GRKA4013 Greek Honours C	12	P Refer to GRKA4011 C GRKA4012	Semester 1 Semester 2
GRKA4014 Greek Honours D	12	P Refer to GRKA4011 C GRKA4013	Semester 1 Semester 2
Hebrew (Classical)			
HBRW1111 Hebrew Classical B1	6	N HBRW1311, HBRW2631	Semester 1
HBRW1112 Hebrew Classical B2	6	P HBRW1111 N HBRW1312, HBRW2632	Semester 2
HBRW2623 Hebrew Classical 3	6	P HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent N HBRW2115 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
HBRW2624 Hebrew Classical 4	6	P HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent N HBRW2116 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
HBRW2631 Hebrew Accelerated C1	6	P 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 C 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. N HBRW1111, HBRW1112, HBRW2401	Semester 1
HBRW2632 Hebrew Accelerated C2	6	P HBRW2401 or HBRW2631 N HBRW1112, HBRW2402	Semester 2
HBRW2641 Aramaic 1	6	P HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent N HBRW3901	Semester 1
HBRW2642 Aramaic 2	6	P HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent N HBRW3902	Semester 2
HBRW2651 Syriac 1	6	P HBRW1112 or HBRW2402 or HBRW2632 or HSC Hebrew or equivalent N HBRW2911	Semester 1

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
HBW2652 Syriac 2	6	P HBRW2911 or HBRW2651 N HBRW2912	Semester 2
HBW2661 Akkadian Language 1	6	P HBRW1111 and HBRW1112 or equivalent in these or another Semitic language N ANHS3923	Semester 1
HBW2662 Akkadian Language 2	6	P ANHS3923 or HBRW2661 N ANHS3922	Semester 2
HBW3653 Syriac 3 <i>This unit of study is not available in 2009</i>	6	P HBRW2912 or HBRW2652 N HBRW3911	Semester 1
HBW3654 Syriac 4 <i>This unit of study is not available in 2009</i>	6	P HBRW3911 or HBRW3653 N HBRW3912	Semester 2
HBW4011 Hebrew (Classical) Honours A	12	P 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 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HBW4012 Hebrew (Classical) Honours B	12	C HBRW4011	Semester 1 Semester 2
HBW4013 Hebrew (Classical) Honours C	12	C HBRW4012	Semester 1 Semester 2
HBW4014 Hebrew (Classical) Honours D	12	C HBRW4013	Semester 1 Semester 2
Hebrew (Modern)			
HBW1011 Hebrew Modern B1	6		Semester 1
HBW1102 Hebrew Modern B2	6	P HBRW1011 or equivalent knowledge as determined by the department N HBRW1302	Semester 2
HBW2603 Hebrew Modern 3	6	P HBRW1102 or equivalent knowledge as determined by the department N HBRW2103	Semester 1
HBW2604 Hebrew Modern 4	6	P HBRW1102 or equivalent knowledge as determined by the department N HBRW2104	Semester 2
HBW2605 Hebrew Modern 5	6	P HBRW1102 or equivalent knowledge as determined by the department N HBRW2105	Semester 1
HBW2606 Hebrew Modern 6	6	P HBRW1102 or equivalent knowledge as determined by the department N HBRW2106	Semester 2
HBW2607 Hebrew Modern 7	6	P HBRW2106 or HBRW2606 or Modern Hebrew HSC or equivalent knowledge as determined by the department N HBRW1301	Semester 1
HBW2608 Hebrew Modern 8	6	P HBRW1301 or HBRW2607 or equivalent knowledge as determined by the department N HBRW1302	Semester 2
HBW2609 Hebrew Modern 9	6	P HBRW1302 or HBRW2608 or equivalent knowledge as determined by the department N HBRW2303	Semester 1
HBW2610 Hebrew Modern 10	6	P HBRW1302 or HBRW2608 or equivalent knowledge as determined by the department N HBRW2304	Semester 2
HBW2611 Hebrew Modern 11	6	P HBRW2608 or equivalent knowledge as determined by the department N HBRW2305	Semester 1
HBW2612 Hebrew Modern 12	6	P HBRW1302 or HBRW2608 or equivalent knowledge as determined by the department N HBRW2306	Semester 2
HBW4021 Hebrew (Modern) Honours A	12	P Credit or better at 36 credit points of Modern Hebrew from among HBRW2605 to HBRW2612 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HBW4022 Hebrew (Modern) Honours B	12	C HBRW4021	Semester 1 Semester 2
HBW4023 Hebrew (Modern) Honours C	12	C HBRW4022	Semester 1 Semester 2
HBW4024 Hebrew (Modern) Honours D	12	C HBRW4023	Semester 1 Semester 2
Heritage Studies			
HRTG2601 Approaching Heritage Studies	6	P At least 18 junior credit points N HRTG2001	Semester 1
HRTG2602 The Museum and Cultural Heritage	6	P HRTG2001 or HRTG2601 or ARHT2034 or ARHT2634 N HSTY2022	Semester 2
HRTG2804 Heritage Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HRTG2805 Heritage Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HRTG2806 Heritage Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HRTG2809 Heritage Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HRTG2810 Heritage Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HRTG3602 Social History and Heritage Studies	6	P HRTG2001 or HRTG2601 or ARHT2034 or ARHT2634 N HRTG3002	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Hindi-Urdu (major may not be available)			
HIUR2601 Hindi and Urdu Intermediate 1	6	P HIUR1002 or equivalent N HIUR2001	Semester 1
HIUR2602 Hindi and Urdu Intermediate 2	6	P HIUR2001 or HIUR2601 or equivalent N HIUR2002	Semester 2
HIUR3601 Hindi and Urdu Advanced 1	6	P HIUR2002 or HIUR2602 or equivalent N HIUR3001	Semester 1
HIUR3602 Hindi and Urdu Advanced 2	6	P HIUR3001 or HIUR3601 or equivalent N HIUR3002	Semester 2
History			
HSTY1025 The Middle Ages (500-1500)	6		Semester 1
HSTY1034 Early Modern Europe 1500-1750	6		Semester 2
HSTY1044 Twentieth Century Politics and Culture	6	N HSTY1043	Semester 2
HSTY1045 Modern European History 1750-1914	6		Semester 1
HSTY1076 American History from Lincoln to Clinton	6	N HSTY2035	Semester 1 Winter Main
HSTY1089 Australia: Colonies to Nation	6		Semester 2
HSTY1801 History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HSTY1802 History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HSTY2601 Religion & Society: Conversion & Culture	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture N HSTY2001	Semester 2
HSTY2606 China and its World in the 19th Century	6	P 12 credit points of junior History, Ancient History, Economic History or Asian History and Culture N HSTY2006	Semester 1
HSTY2607 Approaches to the Arab Israeli Conflict	6	P 12 junior credit points in History, Arabic and Islamic Studies, or Hebrew, Biblical and Jewish Studies. N JCTC2008, GOVT2772	Semester 1
HSTY2619 Living in Colonial Australia	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture N HSTY2019	Semester 2
HSTY2626 Fascism and Antifascism	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture N HSTY2026	Semester 1 Winter Main
HSTY2629 Sex and Scandal	6	P 12 credit points of History, Ancient History, or Asian Studies N HSTY2029	Semester 1 Winter Main
HSTY2634 Columbus to Lincoln: America Before 1865	6	P 12 credit points of junior History, Ancient History, Economic History or Asian History and Culture N HSTY2034	Semester 2
HSTY2640 Twentieth Century China	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture N HSTY3071, HSTY3072	Semester 2
HSTY2645 Invisible Cities: Imagining Urban Italy	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture N HSTY2045	Semester 2
HSTY2651 Spanish Civil War	6	P 12 credit points of junior History, Ancient History, Asian Studies or Spanish Language N HSTY2051	Semester 2
HSTY2659 Nationalism	6	P 12 credit points of junior History, Ancient History or Asian Studies N HSTY2059	Semester 1 Summer Main
HSTY2660 Violence in Italy	6	P 12 credit points of Junior History, Ancient History or Economic History N HSTY2060	Semester 1
HSTY2664 Communicating Culture in the Middle Ages	6	P 12 credit points of junior History, Ancient History or Asian Studies N HSTY2064	Semester 1
HSTY2666 American Revolutions	6	P 12 credit points of Junior History, Ancient History, Economic, or Asian History and Culture N HSTY2066	Semester 1
HSTY2667 Politics and Cultures of US Imperialism	6	P 12 credit points of junior History, Ancient History or Asian Studies N HSTY2067	Semester 1 Summer Main
HSTY2672 Britain and the World: C.1837-1914	6	P 12 credit points of junior History, Ancient History or Asian Studies	Semester 1 Summer Main
HSTY2676 Australia and the World	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture	Semester 1
HSTY2677 Australia: Politics and Nation	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture	Semester 2 Summer Main

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
HSTY2679 Advanced Australia	6	P 12 credit points of Junior History, Ancient History, Economic History or Asian History and Culture	Semester 1
HSTY2680 Living: Modern British Social History	6	P 12 credit points of junior History, Ancient History or Asian Studies	Semester 2
HSTY2681 Colonialism in Modern Asia	6	P 12 credit points of junior History, Ancient History or Asian Studies	Semester 2
HSTY2682 Portraits of Medieval Women	6	P 12 credit points of junior History, Ancient History or Asian Studies N HSTY3696	Semester 2
HSTY2691 Writing History	6	P 12 credit points of junior History, Ancient History, Economic History or Asian History and Culture. N HSTY2901, ANHS2691 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
HSTY2805 History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HSTY2806 History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HSTY2809 History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HSTY2810 History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HSTY2811 History Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HSTY4011 History Honours A	12	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HSTY4012 History Honours B	12	P See under HSTY4011 C HSTY4011	Semester 1 Semester 2
HSTY4013 History Honours C	12	P See under HSTY4011 C HSTY4012	Semester 1 Semester 2
HSTY4014 History Honours D	12	P See under HSTY4011 C HSTY4013	Semester 1 Semester 2
Indigenous Australian Studies			
KOCR2112 Indigenous Australia: History and Health <i>This unit of study is not available in 2009</i>	6	<i>Note: Department permission required for enrolment Faculty of Nursing students only</i>	Semester 2
KOCR2600 Indigenous Australia: An Introduction	6	P 18 Junior credit points N KOCR2100	Semester 1 Semester 2
KOCR2601 Indigenous Australia: Land and Culture <i>This unit of study is not available in 2009</i>	6	P KOCR2100 or KOCR2600 N KOCR2101	Semester 2
KOCR2602 Issues in Indigenous Rights	6	P KOCR2100 or KOCR2600 N KOCR2102	Semester 2
KOCR2603 Indigenous Health and Communities <i>This unit of study is not available in 2009</i>	6	P KOCR2100 or KOCR2600 N KOCR2111	Semester 2
KOCR2604 Colours of Identity: Indigenous Bodies	6	C KOCR2100 or KOCR2600	Semester 1
KOCR2606 Torres Strait Histories and Experiences	6	P KOCR2100 or KOCR2600	Semester 2
KOCR2607 Indigenous Creative Expression	6		Semester 2 Summer Main
Indonesian Studies			
INMS1101 Indonesian 1A	6	N Native or near native speakers of Indonesian or Malay, HSC Continuers, or Extension Indonesian or Beginners Indonesian with 75% or above or equivalent	Semester 1
INMS1102 Indonesian 1B	6	P INMS1101 N INMS1301, INMS1302	Semester 2
INMS2601 Indonesian 2A	6	P INMS1102 or HSC Continuers or Extension Indonesian or HSC Beginners Indonesian 75% and above or department permission N 8 credit point units of study numbered INMS2101 or above	Semester 1
INMS2602 Indonesian 2B	6	P INMS2101 or INMS2601 N 8 credit point units of study numbered INMS2102 or above	Semester 2
INMS2650 Indonesian In-Country Study A	6	P INMS1102 or INMS2101 or INMS2601 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2651 Indonesian In-Country Study B	6	P INMS1102 or INMS2101 or INMS2601 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2652 Indonesian In-Country Study C	6	P INMS1102 or INMS2101 or INMS2601 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
INMS2653 Indonesian In-Country Study D	6	P INMS1102 or INMS2101 or INMS2601 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2654 Indonesian In-Country Study E	6	P INMS1102 or INMS2101 or INMS2601 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2655 Indonesian In-Country Study F	6	P INMS1102 or INMS2101 or INMS2601 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2656 Indonesian In-Country Study G	6	P INMS1102 or INMS2101 or INMS2601 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2657 Indonesian In-Country Study H	6	P INMS1102 or INMS2101 or INMS2601 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2805 Indonesian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2806 Indonesian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2807 Indonesian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2807 Indonesian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS2808 Indonesian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS3601 Indonesian 3A	6	P INMS2102 or INMS2602 or department permission N 8 credit point units of study numbered INMS3101 or above	Semester 1
INMS3602 Indonesian 3B	6	P INMS3101 or INMS3601 or departmental permission N 8 credit points of units of study numbered INMS3102 or above	Semester 2
INMS3605 Indonesian Advanced Studies C	6	P INMS3102 or INMS3602 or departmental permission <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
INMS3606 Indonesian Advanced Studies D	6	P INMS3102 or INMS3602 or departmental permission <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
INMS4011 Indonesian and Malay Studies Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
INMS4012 Indonesian and Malay Studies Honours B	12	C INMS4011	Semester 1 Semester 2
INMS4013 Indonesian and Malay Studies Honours C	12	C INMS4012	Semester 1 Semester 2
INMS4014 Indonesian and Malay Studies Honours D	12	C INMS4013	Semester 1 Semester 2
International and Comparative Literary Studies			
ICLS2631 Popular Fiction and Popular Culture	6	P 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.	Semester 1
ICLS2633 Cities of the World	6	P 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	Semester 1
ICLS2636 Great Books 2: Innovations, Inspirations	6	P 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.	Semester 2
ICLS2801 Int Comparative Literary Studies Exch	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ICLS2802 Int Comparative Literary Studies Exch	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ICLS2803 Int Comparative Literary Studies Exch	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ICLS2804 Int Comparative Literary Studies Exch	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ICLS4011 Int Comparative Literary Studies Hons A	12	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ICLS4012 Int Comparative Literary Studies Hons B	12	C ICLS4011 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ICLS4013 Int Comparative Literary Studies Hons C	12	C ICLS4012 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ICLS4014 Int Comparative Literary Studies Hons D	12	C ICLS4013 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
International and Global Studies			
INGS1001 Power and Money in Global Society	6	<i>This unit is available only to students in the Bachelor of International and Global Studies</i>	Semester 1
INGS1002 Global Culture and Society	6	N GBST1001 <i>This unit is available only to students in the Bachelor of International and Global Studies</i>	Semester 2
Italian Studies			
ITLN1611 Introductory Italian 1	6	N ITLN1101, ITLN1201, ITLN1301, ITLN1621, ITLN1631 <i>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.</i>	Semester 1
ITLN1612 Introductory Italian 2	6	P ITLN1611, ITLN1101 or equivalent N ITLN1102, ITLN1202, ITLN1302, ITLN1632	Semester 2
ITLN1801 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN1802 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN2611 Intermediate Italian 3	6	P ITLN1612, ITLN1102 or HSC Italian Beginners or equivalent language knowledge N ITLN2631, ITLN2101, ITLN2201, ITLN2301	Semester 1
ITLN2612 Intermediate Italian 4	6	P ITLN2611, ITLN2101, or equivalent language knowledge. N ITLN2632, ITLN2202, ITLN2302	Semester 2
ITLN2631 Senior Italian 3	6	P ITLN1632, ITLN1202, ITLN1302 or HSC Continuers or equivalent language knowledge N ITLN2611, ITLN2201, ITLN2101, ITLN2301	Semester 1
ITLN2632 Senior Italian 4	6	P ITLN2631, ITLN2201 or ITLN2301 or equivalent language knowledge N ITLN2612, ITLN2202, ITLN2302	Semester 2
ITLN2811 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN2812 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN2813 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN2814 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN2815 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN2816 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN2817 Italian Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN3611 Senior Italian 5	6	P ITLN2612, ITLN2202 or equivalent language knowledge N ITLN3631, ITLN3201, ITLN3301	Semester 1
ITLN3612 Senior Italian 6	6	P ITLN3611, ITLN3201 or equivalent language knowledge N ITLN3202, ITLN3302	Semester 2
ITLN3631 Senior Italian 7	6	P ITLN2632, ITLN2302 or equivalent language knowledge N ITLN3611, ITLN3301, ITLN3201	Semester 1
ITLN3667 Images of Contemporary Italy	6	P ITLN1612, ITLN1632, ITLN1102, ITLN1202, ITLN1302, HSC Italian Continuers or Beginners, or equivalent language knowledge <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
ITLN3669 Lite Love: Emotion in Today's Italy	6	P One of ITLN1632, ITLN1302, ITLN2611, ITLN2631 or equivalent language knowledge <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ITLN3671 Dante: Inferno	6	P ITLN2611 or ITLN2631 N ITLN3701 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
ITLN3684 Italian Sociolinguistics	6	P ITLN1202, ITLN1302, ITLN1632, ITLN2612, ITLN2202 or equivalent language knowledge N ITLN3752 <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 2
ITLN3687 Focus on Writing in Italian	6	P One of ITLN3631, ITLN3612, ITLN3301, ITLN3202 or equivalent language knowledge N ITLN3401	Semester 1
ITLN3691 Italian Literature: 1200-1860	6	P Credit in 12 credit points of Italian or 80% in HSC Italian Continuers N ITLN2902 <i>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.</i>	Semester 1
ITLN3693 Impatient Capital: 21st Century Italy	6	P ITLN1632, ITLN1302, ITLN1202, ITLN2612, ITLN2202 or HSC Italian Continuers	Semester 1
ITLN4011 Italian Honours A	12	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ITLN4012 Italian Honours B	12	C ITLN4011	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ITLN4013 Italian Honours C	12	C ITLN4012	Semester 1 Semester 2
ITLN4014 Italian Honours D	12	C ITLN4013	Semester 1 Semester 2
Japanese Studies			
JPNS1611 Japanese 1	6	N JPNS1111, any HSC Japanese Course	Semester 1 Summer Main
JPNS1612 Japanese 2	6	P JPNS1111 or JPNS1611 N JPNS1121	Semester 2
JPNS1801 Japanese Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS1802 Japanese Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS2611 Japanese 3	6	P 65% or more in HSC Japanese Beginners or less than 70% in Japanese Continuers, or JPNS1121 or JPNS1612 N JPNS1114, JPNS2212	Semester 1
JPNS2612 Japanese 4	6	P JPNS1114 or JPNS2212 or JPNS2611 N JPNS1124, JPNS2222	Semester 2
JPNS2621 Japanese 5	6	P HSC Japanese Extension or Japanese Continuers 70% or above or equivalent determined by the department; or JPNS1124 or JPNS2222 or JPNS2612 N JPNS2213	Semester 1
JPNS2622 Japanese 6	6	P JPNS2621 or JPNS2213 N JPNS2223	Semester 2
JPNS2660 Introduction to Japan	6	P JPNS1121 or JPNS1612 N JPNS2622, JPNS3622, JPNS3632	Semester 2
JPNS2670 Japanese Literature	6	P JPNS1124 or JPNS2222 (from 2007, JPNS2612) N JPNS3116; JPNS3621; JPNS2301; JPNS3631; JPNS3301	Semester 2
JPNS2672 Japanese Media Culture and New Japan	6	P JPNS1124 or JPNS2222 or JPNS2612 N JPNS3106, JPNS3621, JPNS3631	Semester 1
JPNS2811 Japanese Exchange 3	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS2812 Japanese Exchange 4	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS2813 Japanese Exchange 5	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS2814 Japanese Exchange 6	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS2815 Japanese Exchange 7	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS3621 Japanese 7	6	P JPNS1123 or JPNS2223 or JPNS2622 N JPNS2301	Semester 1
JPNS3622 Japanese 8	6	P JPNS3621 or JPNS2301 N JPNS2302	Semester 2
JPNS3631 Japanese 9	6	P JPNS2302 or JPNS3622 N JPNS3301	Semester 1
JPNS3632 Japanese 10	6	P JPNS3301 or JPNS3631 N JPNS3302	Semester 2
JPNS3673 Japanese Society	6	P JPNS1123 or JPNS2223 or JPNS2622 or JPNS1125 N JPNS3314	Semester 2
JPNS3676 Monsters & Ghosts: Japanese Fantasy & SF	6	P JPNS1123 or JPNS1125 or JPNS2223 or JPNS2622	Semester 1
JPNS3677 Behaving the Japanese Way	6	N ASNS2306, JPNS2316	Semester 1
JPNS3841 Japan In-Country Study 1	6	P 12 Junior JPNS credit points <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS3842 Japan In-Country Study 2	6	P 12 Junior JPNS credit points <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS4011 Japanese Honours A	12	P '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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JPNS4012 Japanese Honours B	12	C JPNS4011	Semester 1 Semester 2
JPNS4013 Japanese Honours C	12	C JPNS4012	Semester 1 Semester 2
JPNS4014 Japanese Honours D	12	C JPNS4013	Semester 1 Semester 2
Jewish Civilisation, Thought and Culture			
JCTC1001 Palestine: Roman Rule to Islam	6		Semester 1
JCTC1002 Jewish Settlement Outside Palestine	6	P JCTC1001	Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
JCTC1801 Jewish Civilization Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JCTC2603 Jews Under the Crescent and the Cross	6	P JCTC1001 or one of HSTY1022, HSTY1031, HSTY1043, HSTY1044, HSTY1045, HSTY1076, HSTY1088, RLST1001, RLST1002 N JCTC2003 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
JCTC2604 From Expulsion to Regeneration	6	P JCTC1001 or one of HSTY1022, HSTY1031, HSTY1043, HSTY1044, HSTY1045, HSTY1076, HSTY1088, RLST1001, RLST1002 N JCTC2004 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
JCTC2605 From Emancipation to the Holocaust	6	P JCTC1001 or one of HSTY1022, HSTY1031, HSTY1043, HSTY1044, HSTY1045, HSTY1076, HSTY1088 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
JCTC2606 The Holocaust: History and Aftermath	6	P JCTC1001 or 6 junior credit points from History. N JCTC2006 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
JCTC2607 Israel in the Modern Middle East	6	P JCTC1001 or one of HSTY1022, HSTY1025, HSTY1031, HSTY1043, HSTY1044, HSTY1045 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
JCTC2811 Jewish Civilisation Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JCTC2812 Jewish Civilisation Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JCTC2813 Jewish Civilisation Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JCTC2814 Jewish Civilisation Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JCTC2815 Jewish Civilization Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JCTC2816 Jewish Civilisation Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JCTC4011 Judaic Studies Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
JCTC4012 Judaic Studies Honours B	12	C JCTC4011	Semester 1 Semester 2
JCTC4013 Judaic Studies Honours C	12	C JCTC4012	Semester 1 Semester 2
JCTC4014 Judaic Studies Honours D	12	C JCTC4013	Semester 1 Semester 2
Korean Studies			
KRNS1621 Korean 1	6	N KRNS1101	Semester 1
KRNS1622 Korean 2	6	P KRNS1621 or KRNS1101 N KRNS1102	Semester 2
KRNS1631 Korean 9	6	P Heritage speakers of Korean who have less than 2 years of formal education in Korean N KRNS1301 <i>Note: Department permission required for enrolment</i>	Semester 1
KRNS1632 Korean 10	6	P KRNS1301 or KRNS1631 N KRNS1302 <i>Note: Department permission required for enrolment</i>	Semester 2
KRNS1801 Korean Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
KRNS2621 Korean 3	6	P KRNS1102 or KRNS1622 N KRNS2001	Semester 1
KRNS2622 Korean 4	6	P KRNS2001 or KRNS2621 N KRNS2002	Semester 2
KRNS2671 Translation and Interpretation	6	P KRNS1302 or KRNS1632 or native speakers of Korean N KRNS2400	Semester 1
KRNS2673 Korean Phonology	6	P 12 credit points in KRNS or LNGS, or native speakers of Korean N KRNS2317, KRNS2318	Semester 2
KRNS2675 Contemporary Korean Society and Culture	6	P 12 junior credit points in Arts N KRNS2500	Semester 1
KRNS2681 Korean In-Country Study A	6	P KRNS1101 or KRNS1621 or KRNS1301 or KRNS1631 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
KRNS2682 Korean In-Country Study B	6	P KRNS1101 or KRNS1621 or KRNS1301 or KRNS1631 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
KRNS2811 Korean Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
KRNS2812 Korean Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
KRNS2813 Korean Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
KRNS2814 Korean Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
KRNS2815 Korean Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
KRNS3621 Korean 5	6	P KRNS2002 or KRNS2622 N KRNS3001	Semester 1
KRNS3622 Korean 6	6	P KRNS3001 or KRNS3621 N KRNS3002	Semester 2
KRNS4011 Korean Honours A	12	P Credits in all Senior KRNS units including KRNS3901 and KRNS3902 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
KRNS4012 Korean Honours B	12	P Credits in all senior KRNS units including KRNS3901 and KRNS3902 C KRNS4011	Semester 1 Semester 2
KRNS4013 Korean Honours C	12	P Credits in all senior KRNS units including KRNS3901 and KRNS3902 C KRNS4012	Semester 1 Semester 2
KRNS4014 Korean Honours D	12	P Credits in all senior KRNS units including KRNS3901 and KRNS3902 C KRNS4013	Semester 1 Semester 2
Latin			
LATN1600 Introductory Latin 1	6	N LATN1001, LATN2611, LATN2620	Semester 1
LATN1601 Introductory Latin 2	6	P LATN1600 or LATN1001 or LATN2611 N LATN1002, LATN2612, LATN2621	Semester 2
LATN1801 Latin Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LATN1802 Latin Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LATN2600 Intermediate Latin 1	6	P HSC Latin or LATN1601 or LATN2612 or LATN2621 or LATN1002 N LATN2603, LATN1101	Semester 1
LATN2601 Intermediate Latin 2	6	P LATN2600 or LATN1101 N LATN1102	Semester 2
LATN2620 Reading Latin 1	6	N LATN1600, LATN1001, LATN2611	Semester 1
LATN2621 Reading Latin 2	6	P LATN2620 or LATN2611 N LATN1601, LATN1002, LATN2612	Semester 2
LATN2804 Latin Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LATN2805 Latin Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LATN2806 Latin Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LATN2810 Latin Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LATN2811 Latin Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LATN3600 Advanced Latin	6	P LATN2601 or LATN2604 or LATN1102 N LATN3607 <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 1
LATN3602 Latin Epic 2	6	C LATN2601	Semester 2
LATN3603 Latin Imperial Poetry	6	C LATN3600 or LATN3607	Semester 1
LATN3605 Latin Republican Prose	6	P LATN3600 or LATN3607	Semester 2
LATN4011 Latin Honours A	12	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LATN4012 Latin Honours B	12	C LATN4011	Semester 1 Semester 2
LATN4013 Latin Honours C	12	C LATN4012	Semester 1 Semester 2
LATN4014 Latin Honours D	12	C LATN4013	Semester 1 Semester 2
Legal Studies (no major available)			
SLSS1001 Introduction to Socio-Legal Studies	6	<i>Available to Bachelor of Arts and Sciences and Bachelor of Socio-Legal Studies only</i>	Semester 1
SLSS1003 Law and Contemporary Society	6	<i>Available to Bachelor of Arts and Sciences and Bachelor of Socio-Legal Studies only</i>	Semester 2
Linguistics			
LNGS1001 Structure of Language	6	N LNGS1004, LNGS1005	Semester 1
LNGS1002 Language and Social Context	6		Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
LNGS1801 Linguistics Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LNGS2602 Syntax	6	P LNGS1001 or LNGS1005 or LNGS1004 N LNGS2002 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
LNGS2604 Discourse Analysis	6	P One of ENGL1000, ENGL1005, ENGL2619, ENGL2647, LNGS1001, LNGS1002, LNGS1003, LNGS1004, LNGS1005, LNGS2601, LNGS2602, LNGS2603, MECO1001, MECO1003 N LNGS2004	Semester 1
LNGS2612 Language Variation and Change	6	P Two of LNGS1001, LNGS1002, LNGS1003, LNGS1004 and LNGS1005 N LNGS2026, LNGS2006	Semester 1
LNGS2617 Cross-Cultural Communication	6	P 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)) N LNGS3903, LNGS3923 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
LNGS2620 Phonetics	6	P 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)) <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
LNGS2621 Phonology	6	P 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)) <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
LNGS2622 The Syntax of English	6	P LNGS1001, LNGS2602 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
LNGS2805 Linguistics Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LNGS2806 Linguistics Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LNGS2809 Linguistics Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LNGS2810 Linguistics Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LNGS2811 Linguistics Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LNGS2812 Linguistics Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LNGS3601 Semantics and Pragmatics	6	P one of LNGS2602 [Syntax], LNGS2603 [Functional Grammar], ENGL2619 [Semiotics of Language] and ENGL2653 [Varieties of English Grammar] N LNGS3026, LNGS3006 <i>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.</i>	Semester 1
LNGS3604 Field Methods	6	P Credit average in 18 senior credit points of Linguistics including three of: LNGS2601 (or LNGS2001), LNGS2602 (or LNGS2002), LNGS2603 (or LNGS2003) or LNGS2604 (or LNGS2004) N LNGS3925 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
LNGS3605 Structure and Use of a Language	6	P LNGS2601 [or LNGS2001] and one of LNGS2602, LNGS2002, LNGS2003, LNGS2603 N LNGS3904 <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 2
LNGS3690 Issues in Theoretical Linguistics	6	P 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 N LNGS3914	Semester 1 Semester 2
LNGS3692 Media Discourse	6	P Two of LNGS2601, LNGS2602, LNGS2603, LNGS2604, LNGS2001, LNGS2002, LNGS2003, LNGS2004, ENGL1005, ENGL2619, ENGL2647, ENGL2019, ENGL2047, MECO1001, MECO1003 N LNGS3912 <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 2
LNGS3696 Bilingualism	6	P 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. N LNGS3929 <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 1
LNGS3699 Linguistics Research Issues	6	P Credit average in 18 senior credit points in linguistics, including at least 2 of LNGS2601, LNGS2001, LNGS2602, LNGS2002, LNGS2603, LNGS2003, LNGS2604, LNGS2004. N LNGS3940 <i>Note: Department permission required for enrolment This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
LNGS4011 Linguistics Honours A	12	P 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) <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
LNGS4012 Linguistics Honours B	12	C LNGS4011	Semester 1 Semester 2
LNGS4013 Linguistics Honours C	12	C LNGS4012	Semester 1 Semester 2
LNGS4014 Linguistics Honours D	12	C LNGS4013	Semester 1 Semester 2
Media and Communications			
MECO1001 Australian Media Studies	6	<i>Available to BA (Media and Comm) and BSc (Media and Comm) students only.</i>	Semester 2
MECO1003 Principles of Media Writing	6	<i>Available to BA (Media and Comm) and BSc (Media and Comm) students only.</i>	Semester 1
MECO2601 Radio Broadcasting	6	P 12 junior credit points of MECO units N MECO2001 <i>Available to BA (Media and Comm) and BSc (Media and Comm) students only.</i>	Semester 1
MECO2603 Media Relations	6	P 12 junior credit points of MECO units and (ENGL1000 or ENGL1005 or LNGS1005) N MECO2003 <i>Available to BA(Media and Comm) and BSc (Media and Comm) students only.</i>	Semester 2
MECO2805 Media and Communications Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MECO2806 Media and Communications Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MECO2807 Media and Communications Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MECO2808 Media and Communications Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MECO3601 Video Production	6	P 12 junior credit points of MECO units and (ENGL1000 or ENGL1005 or LNGS1005) N MECO3001 <i>Available to BA (Media and Comm) and BSc (Media and Comm) students only.</i>	Semester 1
MECO3602 Online Media	6	P 12 junior credit points of MECO units and (ENGL1000 or ENGL1005 or LNGS1005) N MECO3002 <i>Available to BA(Media and Comm) and BSc (Media and Comm) students only.</i>	Semester 2
MECO3603 Media, Law and Ethics	6	P 12 junior credit points of MECO units and (ENGL1000 or ENGL1005 or LNGS1005) N MECO3003 <i>Available to BA(Media and Comm) and BSc (Media and Comm) students only.</i>	Semester 1
MECO3605 Media Globalisation	6	P 12 junior credit points of MECO units and (ENGL1000 or ENGL1005 or LNGS1005) N MECO3005 <i>Available to BA (Media and Comm) and, subject to departmental approval, students undertaking a major in Cultural Studies.</i>	Semester 1
MECO3606 Advanced Media Writing	6	P 12 junior credit points of MECO units and ENGL1000 N MECO3006 <i>Available to BA(Media and Comm) and BSc (Media and Comm) students only.</i>	Semester 2
MECO3609 Critical Practice in Media	6	P 54 credit points of MECO units and ENGL1000 (or ENGL1005 or LNGS1005) <i>Available to BA(Media and Comm) and BSc (Media and Comm) students only.</i>	Semester 2
MECO3671 Media and Communications Internship	6	P 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. N MECO3701, MECO3702 <i>Available to BA(Media and Comm) and BSc (Media and Comm) students only.</i>	Semester 1 Semester 2
MECO3672 Internship Project	6	P 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. C MECO3671 N MECO3701, MECO3702 <i>All students must attend the Week One lecture, at which they sign up for one of 3 cycles of 4 x 3-hour seminars.</i>	Semester 1 Semester 2
MECO4601 Honours Research Methods A	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MECO4602 Honours Research Methods B	6	C MECO4601 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MECO4603 Honours Seminar A	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MECO4604 Honours Seminar B	6	C MECO4603 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MECO4605 Honours Thesis A	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MECO4606 Honours Thesis B	6	C MECO4605 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MECO4607 Honours Thesis C	6	C MECO4606 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MECO4608 Honours Thesis D	6	C MECO4607 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Medieval Studies			
MDST2607 Medieval Literary and Artistic Modes	6	P 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 <i>This Unit of Study may be counted towards a Major in English</i>	Semester 1
MDST2608 The First Crusade	6	P 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. N MDST2008 <i>This unit of study may be counted towards a major in History</i>	Semester 2
MDST2610 Medieval Cosmology	6	P 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. <i>This unit of study may be counted towards a Major in History.</i>	Semester 1
MDST2613 Sex and Sin in the Middle Ages	6	P 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 <i>this unit of study may be counted towards majors in History, French Studies, English, and European Studies</i>	Semester 2
MDST4011 Medieval Studies Honours A	12	P Units if 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 <i>Note: Department permission required for enrolment</i> <i>Departmental permission required for enrolment.</i>	Semester 1 Semester 2
MDST4012 Medieval Studies Honours B	12	C MDST4011	Semester 1 Semester 2
MDST4013 Medieval Studies Honours C	12	C MDST4012	Semester 1 Semester 2
MDST4014 Medieval Studies Honours D	12	C MDST4013	Semester 1 Semester 2
Modern Greek Studies			
MGRK1601 Junior Modern Greek 1	6	N MGRK1101	Semester 1
MGRK1602 Junior Modern Greek 2	6	P MGRK1101 or MGRK1601 N MGRK1102	Semester 2
MGRK1621 Junior Modern Greek 3	6	P Modern Greek Continuers or Modern Greek Extension or equivalent language proficiency as determined by the department N MGRK1101, MGRK1501, MGRK1401	Semester 1
MGRK1622 Junior Modern Greek 4	6	P MGRK1621 or MGRK1401 or equivalent language proficiency as determined by the department N MGRK1101, MGRK1102, MRGK1402	Semester 2
MGRK2601 Senior Modern Greek 1	6	P MGRK1102 or MGRK1602 or special permission by the department N MGRK1501, MGRK2001	Semester 1
MGRK2602 Senior Modern Greek 2	6	P MGRK2001 or MGRK2601 or special permission by the department N MGRK1502, MGRK2002	Semester 2
MGRK2603 Style and Expression	6	P MGRK1402 or MGRK1622 or MGRK2002 or MGRK2602 or special permission by the department N MGRK2203	Semester 2
MGRK2605 Theory and Practice of Translation B	6	P MGRK1202 or MGRK1402 or MGRK1622 or MGRK2002 or MGRK2602 or special permission by the department N MGRK3211	Semester 1
MGRK2622 The Other Road to Greek Modernity	6	P 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 N MGRK2501	Semester 2
MGRK2633 Social Norms/Stereotypes in Greek Cinema	6	P 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 N MGRK2513	Semester 1
MGRK2652 Politics and Politicians in Greece	6	P 12 junior credit points in any subject N MGRK2512	Semester 2
MGRK2657 Greece and the European Imaginary	6	P 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	Semester 1
MGRK2675 New Testament Greek and its World A	6	P 12 junior credit points in any subject N MGRK2525	Semester 1
MGRK2676 New Testament Greek and its World B	6	P 12 junior credit points in any subject N MGRK2526	Semester 2
MGRK2811 Modern Greek Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MGRK2812 Modern Greek Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MGRK2813 Modern Greek Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MGRK2814 Modern Greek Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MGRK2815 Modern Greek Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MGRK3692 Theories of Literature	6	P Credit or above in MGRK1402 or MGRK1622 or MGRK2002 or MGRK2602 or Special Entry Eligibility form signed by the chair of department N MGRK3901 <i>Note: Department permission required for enrolment</i>	Semester 2
MGRK3841 Modern Greek In-Country Study 1	6	P 12 junior credit points of Modern Greek <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2 Summer Late
MGRK4011 Modern Greek Honours A	12	P A major in Modern Greek plus 16 additional credit points which must include MGRK2904 and MGRK3901 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MGRK4012 Modern Greek Honours B	12	C MGRK4011	Semester 1 Semester 2
MGRK4013 Modern Greek Honours C	12	C MGRK4012	Semester 1 Semester 2
MGRK4014 Modern Greek Honours D	12	C MGRK4013	Semester 1 Semester 2
Music			
MUSC1501 Concepts of Music	6	P 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 N MUSC1503, MUSC1504 <i>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.</i>	Semester 1
MUSC1503 Fundamentals of Music I	6	N MUSC1501	Semester 1
MUSC1504 Fundamentals of Music II	6	A 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. N MUSC1501	Semester 2
MUSC1506 Music in Western Culture	6	A The ability to follow a musical score while listening to the music and some prior knowledge of elementary music theory.	Semester 1
MUSC1507 Sounds, Screens, Speakers: Music & Media	6		Semester 2
MUSC2612 Arts Music Concert Performance 1	6	P 18 junior credit points, AND audition (contact the Unit one week before semester begins) <i>Note: Department permission required for enrolment</i>	Semester 1
MUSC2613 Arts Music Concert Performance 2	6	P MUSC2612 Arts Music Concert Performance 1	Semester 2
MUSC2614 Composition Workshop 1	6	P 12 junior credit points in music.	Semester 2
MUSC2615 Advanced Concepts	6	P MUSC1501 Concepts of Music or MUSC1504 Fundamentals of Music II N MUSC2010	Semester 2
MUSC2618 Arts Music Ensemble 1	6	P 18 junior credit points in no more than two subject areas. Some ensemble groups require an audition as well. <i>Note: Department permission required for enrolment</i>	Semester 1
MUSC2619 Arts Music Ensemble 2	6	P MUSC2618 Arts Music Ensemble 1	Semester 2
MUSC2621 The Mediaeval Spanish Melting Pot	6	P 48 Junior credit points, including 12 in Music (or advanced facility in reading music). Contact course coordinator for further information. N MUSC2009 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
MUSC2622 Music in the Sixties	6	P 18 junior credit points N MUSC2106	Semester 2
MUSC2631 Fieldwork, Ethnography and Transcription	6	P 12 junior music credit points. Students will normally have completed either MUSC1501 Concepts of Music or MUSC1504 Fundamentals of Music II. N MUSC2903 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
MUSC2632 Introduction to Stravinsky	6	P 12 junior music credit points. <i>This unit is available as a designated 'Advanced' unit to students enrolled in the BA (Advanced) degree program.</i>	Semester 2
MUSC2641 Twentieth Century Music Techniques	6	P 12 junior credit points in music-based subjects N CMPN1011 or CMPN1611 Compositional Techniques & Analysis 1	Semester 2
MUSC2651 Australian and Asian Music 1	6	P 18 junior credit points	Semester 1
MUSC2653 Introduction to Digital Music Techniques	6	P 18 Junior credit points N MUSC2053	Semester 1
MUSC2654 Popular Music	6	P 18 junior credit points <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
MUSC2662 Film Music	6	P 18 junior credit points <i>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.</i>	Semester 1
MUSC2666 A Global Sound: African American Music	6	P 18 junior credit points. N SSCP1002	Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MUSC2667 Shakespeare as Opera	6	P 18 junior credit points.	Semester 2
MUSC2680 Spanish Jews in the Ottoman Empire	6	A The ability to read music. P 48 junior credit points.	Semester 2
MUSC2686 Mozart and his Times	6	P 18 junior credit points.	Semester 1
MUSC2690 Music and Gender	6	P 18 junior credit points.	Semester 1
MUSC2693 Advanced Fundamentals of Music	6	A Material covered in MUSC1504 Fundamentals of Music 2 P MUSC1504 Fundamentals of Music 2 N MUSC1501 Concepts of Music, MUSC2615 Advanced Concepts	Semester 1
MUSC3604 Arts Music Concert Performance 3	6	P MUSC2613 Arts Music Concert Performance 2	Semester 1
MUSC3605 Arts Music Concert Performance 4	6	P MUSC3604 Arts Music Concert Performance 3	Semester 2
MUSC3609 Musicology	6	P MUSC2631 Fieldwork, Ethnography and Transcription <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
MUSC3611 Composition Workshop 2	6	P MUSC2614 Composition Workshop 1	Semester 2
MUSC4011 Music Honours A	12	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MUSC4012 Music Honours B	12	C MUSC4011	Semester 1 Semester 2
MUSC4013 Music Honours C	12	C MUSC4012	Semester 1 Semester 2
MUSC4014 Music Honours D	12	C MUSC4013	Semester 1 Semester 2
Pali (no major available)			
PAL11001 Pali A	6		Semester 1
PAL11002 Pali B	6	P PAL11001	Semester 2
Peace and Conflict Studies			
PACS2002 History and Politics of War and Peace	6	P 18 junior credit points, of which 6 must be in either HSTY, GOVT, SCLG or LAWS <i>This unit is taught jointly with the Department of History and can be counted towards a History major.</i>	Semester 2
Performance Studies			
PRFM1801 Performance Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PRFM2601 Being There: Theories of Performance	6	P 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. N PRFM2001	Semester 2
PRFM2602 An Audience Prepares	6	P 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. N PRFM2002	Semester 1 Summer Main
PRFM2603 Between Impro & Text: Making Performance	6	P 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. N PRFM3005	Semester 2
PRFM2604 Sociology of Theatre	6	P 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. N PRFM3012	Semester 1
PRFM2805 Performance Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PRFM2806 Performance Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PRFM2810 Performance Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PRFM2811 Performance Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PRFM2812 Performance Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PRFM3603 Playing Politics	6	P (PRFM2601 and PRFM2602) or (PRFM2001 and PRFM2002) N PRFM3015, PRFM3026	Semester 2
PRFM3604 Embodied Histories	6	P (PRFM2601 and PRFM2602) or (PRFM2001 and PRFM2002) N PRFM3021	Semester 1
PRFM3605 Cross-Cultural and Hybrid Performance	6	P (PRFM2601 and PRFM2602) or (PRFM2001 and PRFM2002) N PRFM3023, PRFM3028	Semester 1
PRFM3606 Theories of Acting	6	P (PRFM2601 and PRFM2602) or (PRFM2001 and PRFM2002) N PRFM3022	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PRFM3611 The Secret Art of the Dramaturg	6	P (PRFM2601 and PRFM2602) or (PRFM2001 and PRFM2002) N PRFM3010	Semester 1
PRFM3619 Performance Analysis and Documentation	6	P (PRFM2001 and PRFM2002) or (PRFM2601 and PRFM2602) N PRFM3002, PRFM3019	Semester 2
PRFM3961 Rehearsal Studies	6	P (Credit results in PRFM2601 and PRFM2602) or (credit results in PRFM2001 and PRFM2002) C PRFM3962 and sufficient units for a major in Performance Studies. <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
PRFM3962 Rehearsal to Performance	6	P (Credit results in PRFM2601 and PRFM2602) or (credit results in PRFM2001 and PRFM2002) C PRFM3961 and sufficient units for a major in Performance Studies. <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
PRFM4011 Performance Studies Honours A	12	P Credit results in PRFM3961 and PRFM3962 (or PRFM3901 and PRFM3902) and credit average in a further 36 credit points of PRFM units. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PRFM4012 Performance Studies Honours B	12	C PRFM4011	Semester 1 Semester 2
PRFM4013 Performance Studies Honours C	12	C PRFM4012	Semester 1 Semester 2
PRFM4014 Performance Studies Honours D	12	C PRFM4013	Semester 1 Semester 2
Philosophy			
PHIL1011 Reality, Ethics and Beauty	6	N PHIL1003, PHIL1004, PHIL1006, PHIL1008	Semester 1
PHIL1012 Introductory Logic	6		Semester 2 Summer Late
PHIL1013 Society, Knowledge and Self	6	N PHIL1010	Semester 2
PHIL1016 Mind and Morality HSC	6	<i>This unit is available to HSC students only</i>	S1 Late Int S2 Late Int
PHIL1801 Philosophy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHIL2600 Twentieth Century Philosophy	6	P 12 Junior credit points in Philosophy N PHIL2000	Semester 1
PHIL2605 Locke and Empiricism	6	P 12 Junior credit points in Philosophy N PHIL3005, PHIL2005	Semester 1
PHIL2610 Exploring Nonclassical Logic	6	P 6 Junior credit points in Philosophy AND one of the following: PHIL1012 Introductory Logic OR PHIL2628 Elementary Logic OR MATH1004 OR MATH1904 N PHIL3214	Semester 2
PHIL2615 Intermediate Logic	6	P 12 Junior credit points in Philosophy and PHIL1012 or PHIL2203 or PHIL2628. N PHIL2215, PHIL3215 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
PHIL2617 Practical Ethics	6	P 12 junior credit points in Philosophy. N PHIL2517 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
PHIL2618 Aesthetics and Art	6	P 12 Junior credit points in Philosophy. N PHIL2518 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
PHIL2621 Truth, Meaning and Language	6	P 12 Junior credit points in Philosophy	Semester 1
PHIL2622 Reality, Time & Possibility: Metaphysics	6	P 12 Junior credit points in Philosophy	Semester 1
PHIL2623 Moral Psychology	6	P 12 Junior credit points in Philosophy. N PHIL2513, PHIL3513 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
PHIL2627 Philosophy and Psychiatry	6	P 12 Junior credit points in Philosophy. N PHIL2227	Semester 2
PHIL2629 Descartes and Continental Philosophy	6	P 12 Junior credit points in Philosophy N PHIL2004, PHIL3004 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
PHIL2632 Modernity in Crisis	6	P 12 junior credit points in Philosophy N PHIL2532, PHIL3532 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
PHIL2634 Democratic Theory	6	P 12 junior credit points in Philosophy N PHIL2514	Semester 1
PHIL2635 Contemporary Political Philosophy	6	P 12 Junior credit points in Philosophy N PHIL3535, PHIL2535 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
PHIL2639 Heidegger's Phenomenology	6	P 12 Junior credit points in Philosophy N PHIL2239	Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PHIL2642 Critical Thinking	6	P 12 Junior credit points in any units within the University	Semester 2 Winter Main
PHIL2643 Philosophy of Mind	6	P 12 Junior credit points in Philosophy N PHIL2213, PHIL3213, PHIL2205 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2 Summer Late
PHIL2644 Critical Theory: From Marx to Foucault	6	P 12 junior credit points	Semester 1
PHIL2645 Philosophy of Law	6	P 12 Junior credit points in Philosophy N PHIL2510, PHIL3510 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
PHIL2647 The Philosophy of Happiness	6	P 12 Junior credit points <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1 Summer Late Winter Main
PHIL2648 German Philosophy, Leibniz to Nietzsche	6	P 12 Junior credit points in Philosophy N PHIL2641, PHIL3011 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
PHIL2804 Philosophy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHIL2805 Philosophy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHIL2806 Philosophy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHIL2810 Philosophy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHIL2811 Philosophy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHIL2812 Philosophy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHIL3615 Pragmatism	6	P 12 credit points in Philosophy N PHIL3015	Semester 2
PHIL3622 Philosophy of Modern Physics	6	P 12 credit points in Philosophy N PHIL3223 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
PHIL4011 Philosophy Honours A	12	P 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 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHIL4012 Philosophy Honours B	12	C PHIL4011	Semester 1 Semester 2
PHIL4013 Philosophy Honours C	12	C PHIL4012	Semester 1 Semester 2
PHIL4014 Philosophy Honours D	12	C PHIL4013	Semester 1 Semester 2
Political Economy			
ECOP1001 Economics as a Social Science	6		Semester 1 Summer Main
ECOP1003 International Economy and Finance	6		Semester 2
ECOP1004 Economy and Society	6		Semester 2
ECOP1551 Political Economy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP1552 Political Economy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP2011 Economics of Modern Capitalism	6	P ECOP1001 and either (ECOP1002 or ECOP1003) N ECOP2001	Semester 1
ECOP2012 Social Foundations of Modern Capitalism	6	P ECOP1001 and either (ECOP1002 or ECOP1003) N ECOP2002	Semester 2
ECOP2550 Political Economy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP2551 Political Economy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP2552 Political Economy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP2612 Economic Policy in Global Context	6	P ECOP1001 and either (ECOP1002 or ECOP1003)	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ECOP2911 Political Economy Honours II	6	P Credit average in ECOP1001 and (ECOP1002 or ECOP1003) C ECOP2011 or ECOP2012 N ECOP2901	Semester 1
ECOP3012 Global Political Economy	6	P ECOP1001 and either (ECOP1002 or ECOP1003) N ECOP3002	Semester 1
ECOP3014 Political Economy of Development	6	P ECOP1001 and either (ECOP1002 or ECOP1003) N ECOP3004	Semester 2 Summer Main
ECOP3015 Political Economy of the Environment	6	P ECOP1001 and either (ECOP1002 or ECOP1003) N ECOP3005	Semester 1 Summer Late
ECOP3017 Political Economy of Human Rights	6	P ECOP1001 and either (ECOP1002 or ECOP1003) N ECOP3007	Semester 1
ECOP3019 Finance: Volatility and Regulation	6	P ECOP1001 and either (ECOP1002 or ECOP1003) N ECOP3009	Semester 2
ECOP3551 Political Economy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP3552 Political Economy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP3553 Political Economy Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP3620 Distribution of Income and Wealth	6	P ECOP1001 and either (ECOP1002 or ECOP1003)	Semester 2
ECOP3911 Theories in Political Economy	6	P Credit average in 4 intermediate or senior ECOP units including (ECOP2911 or (ECOP2901 and ECOP2902)) N ECOP3901 <i>Third year students who have not completed the prerequisites should consult the Department of Political Economy about alternative requirements.</i>	Semester 1
ECOP3912 Research in Political Economy	6	P Credit average in 4 intermediate or senior ECOP units including (ECOP2911 or (ECOP2901 and ECOP2902)) N ECOP3902 <i>Third year students who have not completed the prerequisites should consult the Department of Political Economy about alternative requirements.</i>	Semester 2
ECOP4001 Political Economy Honours A	12	P (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. C ECOP4004, ECOP4003 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP4002 Political Economy Honours B	12	C ECOP4001, ECOP4003	Semester 1 Semester 2
ECOP4003 Political Economy Honours C	12	C ECOP4001, ECOP4002 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ECOP4004 Political Economy Honours D	12	P (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 C ECOP4003 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Studies in Religion			
RLST1001 Paths to Enlightenment	6		Semester 1 Summer Late
RLST1002 The History of God	6		Semester 2
RLST1801 Religious Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
RLST2606 Christianity as a Global Religion	6	A 12 junior credit points of Religion Studies, or equivalent as assessed by the Department N RLST2006	Semester 2
RLST2609 Theravada Buddhism	6	A 12 junior credit points of Religion Studies, or equivalent as assessed by the Department N RLST2009 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1
RLST2612 Dualism: Zoroaster, Gnosis & Manichaeism	6	A 12 junior credit points of Religion Studies, or equivalent as assessed by the Department N RLST2012	Semester 2
RLST2620 Religion and Violence, Faith and Blood	6	A 12 Junior credit points of Religion Studies, or their equivalent to be assessed by the Department N RLST2020	Semester 1
RLST2624 The Birth of Christianity	6	A 12 junior credit points of Religion Studies, or equivalent as assessed by the Department N RLST2024	Semester 1
RLST2625 Religion and the Arts	6	A 12 junior credit points of Religion Studies, or equivalent as assessed by the Department N RLST2025	Semester 2
RLST2627 Religion in Multicultural Australia	6	A 12 junior credit points of Religion Studies, or equivalent as assessed by the Department N RLST2027 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 1 Summer Early
RLST2635 Sex, Desire and the Sacred	6	A 12 junior credit points of Religion Studies, or equivalent as assessed by the Department	Semester 2
RLST2636 Ancient Egyptian Religion and Magic	6	A 12 junior credit points of Religion or equivalent as assessed by the Department	Semester 1

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
RLST2637 Engaged Buddhism: Politics and Justice	6	A 12 junior credit points of Religion or equivalent as assessed by the Department	Semester 2
RLST2804 Religious Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
RLST2805 Religious Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
RLST2806 Religious Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
RLST2809 Religious Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
RLST2810 Religious Studies Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
RLST4011 Religious Studies Honours A	12	P Credit average in 48 senior credit points of Studies in Religion. Note: Department permission required for enrolment	Semester 1 Semester 2
RLST4012 Religious Studies Honours B	12	C RLST4011	Semester 1 Semester 2
RLST4013 Religious Studies Honours C	12	C RLST4012	Semester 1 Semester 2
RLST4014 Religious Studies Honours D	12	C RLST4013	Semester 1 Semester 2
Sanskrit			
SANS1001 Sanskrit Introductory 1	6		Semester 1
SANS1002 Sanskrit Introductory 2	6	P SANS1001	Semester 2
SANS2601 Sanskrit Intermediate 1	6	P SANS1002 or equivalent N SANS2001	Semester 1
SANS2602 Sanskrit Intermediate 2	6	P SANS2001 or SANS2601 or equivalent N SANS2002	Semester 2
SANS3601 Sanskrit Advanced 1	6	P SANS2002 or SANS2602 or equivalent N SANS3001	Semester 1
SANS3602 Sanskrit Advanced 2	6	P SANS3001 or SANS3601 or equivalent N SANS3002	Semester 2
SANS3612 Sanskrit Research Preparation 2	6	P Credit result in SANS2001 or SANS2601	Semester 2
SANS4001 Sanskrit IV Honours A	12	P credit average in 48 senior credit points in Sanskrit units Note: Department permission required for enrolment	Semester 1 Semester 2
SANS4002 Sanskrit IV Honours B	12	C SANS4001	Semester 1 Semester 2
SANS4003 Sanskrit IV Honours C	12	C SANS4002	Semester 1 Semester 2
SANS4004 Sanskrit IV Honours D	12	C SANS4003	Semester 1 Semester 2
Social Policy			
SCPL2601 Australian Social Policy	6	P SCLG1001 and SCLG1002 N SCPL3001	Semester 1
SCPL2602 Contesting Social Policies	6	P SCLG1001 and SCLG1002 N SCPL3002	Semester 2
SCPL2603 Development and Welfare in East Asia	6	P SCLG1001 and SCLG1002	Semester 1
Social Sciences (For Continuing Bachelor of Social Sciences Students only)			
SSCI2601 Social, Political and Economic Thought 1	6	P SSCI1003 N SSCI1001, SSCI2001 Bachelor of Social Sciences only	Semester 1
SSCI2602 Social, Political and Economic Thought 2	6	P SSCI1003 or SSCI1001 or SSCI2601 or SSCI2001 N SSCI2002 Bachelor of Social Sciences only	Semester 2
SSCI3601 Social Sciences Internship	12	P SSCI1001 or SSCI2001 or SSCI2601 and SSCI2002 or SSCI2602 and STAT1021 and SCLG2602 or SCLG2521 N SSCI3001 Bachelor of Social Sciences only	Semester 1 Semester 2
SSCI3602 Internship Research Paper	12	P SSCI1001 or SSCI2001 or SSCI2601 and SSCI2002 or SSCI2602 and STAT1021 and SCLG2602 or SCLG2521 C SSCI3001 or SSCI3601 N SSCI3002 Bachelor of Social Sciences only	Semester 1 Semester 2
Socio-Legal Studies			
SLSS1001 Introduction to Socio-Legal Studies	6	Available to Bachelor of Arts and Sciences and Bachelor of Socio-Legal Studies only	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
SLSS1003 Law and Contemporary Society	6	Available to Bachelor of Arts and Sciences and Bachelor of Socio-Legal Studies only	Semester 2
SLSS2601 Socio-Legal Research	6	P SLSS1001 and SLSS1003 or SLSS1001 and SLSS1002 Available to Bachelor of Socio-Legal Studies only	Semester 1
SLSS2603 Medico-Legal and Forensic Criminology	6	P SLSS1001 and SLSS1003 or SLSS1001 and SLSS1002 Available to Bachelor of Socio-Legal Studies only	Semester 2
Sociology			
SCLG1001 Introduction to Sociology 1	6		Semester 1 Summer Early
SCLG1002 Introduction to Sociology 2	6		Semester 2
SCLG1801 Sociology Exchange	6	Note: Department permission required for enrolment	Semester 1 Semester 2
SCLG2601 Sociological Theory	6	P SCLG1001 and SCLG1002 N SCLG2001, SCLG2520	Semester 1
SCLG2602 Social Inquiry: Research Methods	6	P Either SCLG1001 and SCLG1002 or SCWK2003 or SSC11003 N SCLG2002, SCLG2521	Semester 2
SCLG2603 Sociology of Health and Illness	6	P SCLG1001 and SCLG1002 N SCLG2526	Semester 1
SCLG2604 Social Inequality in Australia	6	P SCLG1001 and SCLG1002 N SCLG2010, SCLG2529 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1 Summer Late
SCLG2605 Social Justice Law and Society	6	P SCLG1001 and SCLG1002 N SCLG2017, SCLG2536 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
SCLG2606 Media in Contemporary Society	6	A Ability to access internet and basic web browsing skills P SCLG1001 and SCLG1002 N SCLG2018, SCLG2537	Semester 1
SCLG2607 Social Movements and Policy Making	6	P SCLG1001 and SCLG1002 N SCLG2570	Semester 1
SCLG2608 Social Construction of Difference	6	P SCLG1001 and SCLG1002 N SCLG2004, SCLG2523	Semester 1 Winter Main
SCLG2609 Contemporary Cultural Issues	6	P SCLG1001 and SCLG1002 N SCLG2501	Semester 2
SCLG2610 Science, Technology and Social Change	6	P SCLG1001 and SCLG1002 N SCLG2504	Semester 1
SCLG2611 Comparative Sociology of Welfare States	6	P SCLG1001 and SCLG1002 N SCLG2509 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2
SCLG2612 Self and Society	6	P SCLG1001 and SCLG1002 N SCLG2510	Semester 1
SCLG2613 Sociology of Childhood and Youth	6	P SCLG1001 and SCLG1002 N SCLG2522	Semester 2
SCLG2615 Law and Social Theory	6	P SCLG1001 and SCLG1002 and (SCLG2601 or SCLG2001 or SCLG2520) N SCLG2535 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2
SCLG2616 Global Transformations	6	P SCLG1001 and SCLG1002 N SCLG2560 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
SCLG2618 Violence, Imaginaries and Symbolic Power	6	P SCLG1001 and SCLG1002 N SCLG2566 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 1
SCLG2621 Power, Politics and Society	6	P SCLG1001 and SCLG1002 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2
SCLG2622 Sociology of Knowledge	6	P SCLG1001 and SCLG1002 This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.	Semester 2
SCLG2623 Sociology of Terror	6	P SCLG1001 and SCLG1002	Semester 2
SCLG2624 Human Rights and Social Protest	6	P SCLG1001 and SCLG1002	Semester 1
SCLG2625 Sociology of Friendship	6	P SCLG1001 and SCLG1002	Semester 1
SCLG2634 Crime, Punishment and Society	6	P Two of: SCLG1001, SCLG1002, SLSS1001, SLSS1002 and LAWS1100. N SCLG2566	Semester 1
SCLG2805 Sociology Exchange	6	P SCLG1001 and SCLG1002 Note: Department permission required for enrolment	Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
SCLG2806 Sociology Exchange	6	P SCLG1001 and SCLG1002 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SCLG2809 Sociology Exchange	6	P SCLG1001 and SCLG1002 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SCLG2810 Sociology Exchange	6	P SCLG1001 and SCLG1002 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SCLG2811 Sociology Exchange	6	P SCLG1001 and SCLG1002 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SCLG2812 Sociology Exchange	6	P SCLG1001 and SCLG1002 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SCLG3601 Contemporary Sociological Theory	6	P SCLG1001 and SCLG1002 N SCLG3002 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
SCLG3602 Empirical Sociological Methods	6	P SCLG1001 and SCLG1002 N SCLG3003	Semester 2
SCLG4011 Sociology Honours A	12	P Credit average in 48 credit points of Senior level Sociology including SCLG3602 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SCLG4012 Sociology Honours B	12	C SCLG4011	Semester 1 Semester 2
SCLG4013 Sociology Honours C	12	C SCLG4012 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SCLG4014 Sociology Honours D	12	C SCLG4013 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Spanish and Latin American Studies			
SPAN1601 Introductory Spanish 1	6	N Not to be taken by students with prior knowledge of Spanish. <i>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.</i>	Semester 1 Summer Main
SPAN1602 Introductory Spanish 2	6	P SPAN1601 N SPAN1002 <i>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.</i>	Semester 2 Summer Late
SPAN1801 Spanish Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SPAN1802 Spanish Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SPAN2601 Intermediate Spanish 1	6	P SPAN1002 or SPAN1602 N SPAN2001 <i>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.</i>	Semester 1
SPAN2602 Intermediate Spanish 2	6	P SPAN2601 N SPAN2002	Semester 2
SPAN2621 Spanish Culture 1	6	A SPAN2601, SPAN2602 P SPAN1002 or SPAN1602	Semester 1
SPAN2622 Latin American Culture 1	6	P SPAN1002 or SPAN1602	Semester 2
SPAN2631 Cultural and Social Change in Spain	6	P 12 junior credit points	Semester 1
SPAN3601 Advanced Spanish 1	6	P SPAN2002 or SPAN2602 N 3rd year language units completed at UNSW	Semester 1
SPAN3602 Advanced Spanish 2	6	P SPAN3601	Semester 2
SPAN3621 Latin American Film and Literature	6	P SPAN2002 or SPAN2602 N SPAN3006	Semester 1
SPAN3622 Introduction to Spanish Translation	6	P SPAN3601	Semester 2
SPAN3623 Argentina for Export	6	P SPAN 2602 Intermediate Spanish 2 or equivalent level of Spanish language	Semester 2
SPAN3811 Spanish Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SPAN3812 Spanish Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SPAN3813 Spanish Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SPAN3814 Spanish Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SPAN3815 Spanish Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SPAN3816 Spanish Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SPAN3817 Spanish Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
SPAN3818 Spanish Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 2
SPAN4011 Spanish & Latin American Studies Hons A	12	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SPAN4012 Spanish & Latin American Studies Hons B	12	C SPAN4011	Semester 1 Semester 2
SPAN4013 Spanish & Latin American Studies Hons C	12	C SPAN4012	Semester 1 Semester 2
SPAN4014 Spanish & Latin American Studies Hons D	12	C SPAN4013	Semester 1 Semester 2
Writing (no major available)			
WRIT1001 Academic English	6	P Upon registration for this unit students will be directed to an online diagnostic exercise.	Semester 1 Semester 2
WRIT1002 Academic Writing	6	P 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.	Semester 1 Semester 2 Summer Late Winter Main
Yiddish			
YDDH1101 Yiddish 1	6		Semester 1
YDDH1102 Yiddish 2	6	P YDDH1101 or permission from the department	Semester 2
YDDH2603 Yiddish 3	6	P YDDH1102 or permission from the department N YDDH2103, YDDH2104	Semester 1
YDDH2604 Yiddish 4	6	P YDDH2103 or YDDH2603 N YDDH2104	Semester 2
YDDH3605 Yiddish 5	6	P YDDH2104 or YDDH2604 N YDDH3105, YDDH3106	Semester 1
YDDH3606 Yiddish 6	6	P YDDH3605 or YDDH3105 N YDDH3106	Semester 2

Table B

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
Biochemistry			
BCHM2071 Protein Biochemistry	6	A CHEM (1101 and 1102) P 12 credit points of Junior Chemistry and MBLG (1001 or 1901) C Recommended concurrent units of study: MBLG2071 and BCHM2072 for progression to Senior Biochemistry. N BCHM2011, BCHM2971	Semester 1
BCHM2072 Human Biochemistry	6	P Either MBLG (1001 or 1901) and 12 credit points of Junior Chemistry or either MBLG2071 or MBLG2971 N BCHM2972, BCHM2002, BCHM2102, BCHM2902, BCHM2112	Semester 2
BCHM2553 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BCHM2554 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BCHM2555 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BCHM2556 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BCHM2971 Protein Biochemistry (Advanced)	6	P 12 credit points of Junior Chemistry and Distinction in MBLG1001 or MBLG1901 N BCHM2011, BCHM2071	Semester 1
BCHM2972 Human Biochemistry (Advanced)	6	P 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). N BCHM2072, BCHM2002, BCHM2102, BCHM2902, BCHM2112	Semester 2
BCHM3071 Molecular Biology & Biochemistry- Genes	6	P 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. N BCHM3971, BCHM3001, BCHM3901	Semester 1
BCHM3072 Human Molecular Cell Biology	6	P (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) N BCHM3972, BCHM3002, BCHM3902, BCHM3004, BCHM3904 <i>BExSci/BSc(Nutrition) students successfully progressing though the combined degree meet the pre-requisites for this unit of study</i>	Semester 2
BCHM3081 Mol Biology & Biochemistry- Proteins	6	P 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. N BCHM3981, BCHM3001, BCHM3901	Semester 1
BCHM3082 Medical and Metabolic Biochemistry	6	P 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. N BCHM3982, BCHM3002, BCHM3004, BCHM3902, BCHM3904 <i>BExSci/BSc(Nutrition) students successfully progressing though the combined degree meet the pre-requisites for this unit of study</i>	Semester 2
BCHM3092 Proteomics and Functional Genomics	6	P 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. N BCHM3992, BCHM3098	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BCHM3551 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BCHM3552 Biochemistry Exchange	12	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BCHM3553 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BCHM3554 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BCHM3555 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BCHM3556 Biochemistry Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BCHM3971 Molecular Biology & Biochem- Genes (Adv)	6	P 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. N BCHM3071, BCHM3001, BCHM3901	Semester 1
BCHM3972 Human Molecular Cell Biology (Advanced)	6	P 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. C MBLG3999 N BCHM3072, BCHM3002, BCHM3004, BCHM3902, BCHM3904	Semester 2
BCHM3981 Mol Biology & Biochemistry- Proteins Adv	6	P 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. N BCHM3081, BCHM3001, BCHM3901	Semester 1
BCHM3982 Medical and Metabolic Biochemistry (Adv)	6	P 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. N BCHM3082, BCHM3002, BCHM3004, BCHM3902, BCHM3904	Semester 2
BCHM3992 Proteomics and Functional Genomics (Adv)	6	P 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. N BCHM3092, BCHM3098	Semester 2
BCHM4011 Biochemistry Honours A	12	<i>Note: Department permission required for enrolment 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.</i>	Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BCHM4012 Biochemistry Honours B	12	C BCHM4011 <i>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.</i>	Semester 1 Semester 2
BCHM4013 Biochemistry Honours C	12	C BCHM4012 <i>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.</i>	Semester 1 Semester 2
BCHM4014 Biochemistry Honours D	12	C BCHM4013 <i>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.</i>	Semester 1 Semester 2
Bioinformatics			
BINF3101 Bioinformatics Project	6	A INFO2110 and (INFO1103 or INFO1903) P INFO3402 and 12 credit points from Intermediate Biology, Molecular Biology and Genetics, Biochemistry, Microbiology, Pharmacology N COMP3206, BINF3001, INFO3600, SOFT3300, SOFT3600, SOFT3200, SOFT3700	Semester 2
BINF3551 Bioinformatics Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BIOL3027 Bioinformatics and Genomics	6	P 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. N BIOL3927	Semester 1
BIOL3927 Bioinformatics and Genomics (Advanced)	6	P 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. N BIOL3027	Semester 1
SOFT3300 Software Development Project <i>This unit of study is not available in 2009</i>	6	P INFO(2110 or 2810 or 2000 or 2900) and SOFT(2130 or 2830 or 2004 or 2904) or COMP(2004 or 2904), and 12 crpts of 3000-level IT-related units (from Table III(iv) or III(v) of the BIT regulations). N SOFT3600, SOFT3200, SOFT3700	Semester 1
STAT3012 Applied Linear Methods	6	P STAT(2012 or 2912 or 2004) and MATH(1002 or 1014 or 1902). N STAT3912, STAT3002, STAT3902, STAT3004, STAT3904	Semester 1
STAT3014 Applied Statistics	6	A STAT(3012 or 3912). P STAT(2012 or 2912 or 2004). N STAT3914, STAT3002, STAT3902, STAT3006	Semester 2
STAT3912 Applied Linear Methods Advanced	6	P (STAT2912 or Credit in STAT2004 or Credit in STAT2012) and MATH(2061 or 2961 or 1902). N STAT3012, STAT3002, STAT3902, STAT3004, STAT3904	Semester 1
STAT3914 Applied Statistics Advanced	6	A STAT3912 P STAT2912 or credit or better in (STAT2004 or STAT2012). N STAT3014, STAT3002, STAT3902, STAT3006, STAT3907	Semester 2
Biology			
BIOL1001 Concepts in Biology	6	A None. However, students who have not completed HSC Biology (or equivalent) are strongly advised to take the Biology Bridging Course (in February). N BIOL(1911 or 1101 or 1901) <i>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.</i>	Semester 1 Summer Main
BIOL1903 Human Biology (Advanced)	6	P 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. N BIOL1003, BIOL1904, EDUH1016	Semester 1
BIOL1911 Concepts in Biology (Advanced)	6	P 80+ in HSC 2-unit Biology (or equivalent) or Distinction or better in a University level Biology unit, or by invitation. N BIOL (1001, 1101, 1901). <i>Note: Department permission required for enrolment 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.</i>	Semester 1
BIOL1002 Living Systems	6	A HSC 2-unit Biology. Students who have not undertaken an HSC biology course are strongly advised to complete a Biology Bridging Course (in February). N BIOL1902 <i>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.</i>	Semester 2
BIOL1003 Human Biology	6	A HSC 2-unit Biology. Students who have not taken HSC biology are strongly advised to take the Biology Bridging Course in February. N BIOL1903, EDUH1016. <i>It is recommended that BIOL (1001 or 1911) be taken concurrently with this unit of study.</i>	Semester 1 Summer Main

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BIOL1902 Living Systems (Advanced)	6	P 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. N BIOL1002, BIOL1904, BIOL1905 <i>Note: Department permission required for enrolment</i>	Semester 2
MBLG1001 Molecular Biology and Genetics (Intro)	6	A 6 credit points of Junior Biology and 6 cp of Junior Chemistry N AGCH2001, BCHM2001, BCHM2101, BCHM2901, MBLG2101, MBLG2901, MBLG2001, MBLG2111, MBLG2771, MBLG2871, MBLG1901	Semester 2
MBLG1901 Molecular Biology and Genetics (Adv)	6	A HSC Chemistry and Biology OR 6 credit points of Junior Biology and 6 cp of Junior Chemistry P UAI of 95 or minimum Band 5 in HSC chemistry and biology or by invitation N AGCH2001, BCHM2001, BCHM2101, BCHM2901, MBLG2101, MBLG2901, MBLG2001, MBLG2111, MBLG2771, MBLG2871, MBLG1001	Semester 2
BIOL2011 Invertebrate Zoology	6	A BIOL (1002 or 1902). P 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). N BIOL2911. <i>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.</i>	Semester 1
BIOL2012 Vertebrates and their Origins	6	A 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. P 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). N BIOL 2912. <i>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.</i>	Semester 2
BIOL2016 Cell Biology	6	P 6 credit points of 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) 6 credit points of Junior Chemistry and either an additional 6 credit points of Junior Chemistry or 6 credit points of Junior Physics). N BIOL2916. <i>The completion of MBLG1001 is highly recommended.</i>	Semester 1
BIOL2017 Entomology	6	A BIOL (2011 or 2911). P 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). N BIOL2917.	Semester 2
BIOL2018 Introduction to Marine Biology	6	A 12 credit points of Junior Biology; MARS2005. P 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). N BIOL2918, MARS (2006 or 2906 or 2007 or 2907).	Semester 2
BIOL2918 Introduction to Marine Biology (Adv)	6	A 12 credit points of Junior Biology; MARS2005. P 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. N BIOL2018, MARS (2006 or 2906 or 2007 or 2907). <i>Entry is restricted and selection is made from applicants on the basis of previous performance.</i>	Semester 2
BIOL2554 Biology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BIOL2555 Biology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BIOL2556 Biology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BIOL2557 Biology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BIOL2911 Invertebrate Zoology (Advanced)	6	A BIOL (1002 or 1902). P 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 N BIOL2011. <i>The completion of 6 credit points of MBLG units of study is highly recommended.</i>	Semester 1
BIOL2912 Vertebrates and their Origins (Advanced)	6	A 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. P 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 N BIOL2012. <i>The completion of MBLG1001 is highly recommended.</i>	Semester 2
BIOL2916 Cell Biology (Advanced)	6	P Distinction average in BIOL (1001 or 1911 or 1101 or 1901) and 6 additional credit points of Junior Biology. 12 credit points of Junior Chemistry (or 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. These requirements may be varied and students with lower averages should consult the Unit Executive Officer. This is a core Intermediate unit in the BSc (Molecular Biology and Genetics) award course. N BIOL2016. <i>The completion of MBLG1001 is highly recommended.</i>	Semester 1
BIOL2917 Entomology (Advanced)	6	A BIOL (2011 or 2911). P 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. N BIOL2017.	Semester 2
BIOL3006 Ecological Methods	6	A BIOL (2011 or 2911 or 2012 or 2912) or PLNT (2002 or 2902). P 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. N BIOL3906, MARS3102	Semester 1
BIOL3007 Ecology	6	A Although not prerequisites, knowledge obtained from BIOL3006/3906, and BIOL3008/3908 and/or BIOL3009/3909, is strongly recommended. P 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 N BIOL3907, MARS3102	Semester 2
BIOL3008 Marine Field Ecology	6	A BIOL (3006 or 3906). Prior completion of one of these units is very strongly recommended. P 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. N BIOL3908, MARS3102. <i>Dates: 2 - 9 July 2009.</i>	S2 Intensive
BIOL3009 Terrestrial Field Ecology	6	A BIOL (3006 or 3906). Prior completion of one of these units is very strongly recommended. P 12 credit points of Intermediate Biology or ANSC2004 and BIOM2001. N BIOL3909 <i>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.</i>	S2 Intensive
BIOL3010 Tropical Wildlife Biology and Management	6	A None, although BIOL2011/2911 would be useful. P 12 credit points of Intermediate Biology (BIOL/ENVI/PLNT). N BIOL3910 <i>Dates: 15 February - 20 February 2009 Northern Territory, followed by tutorials and practical classes at the University of Sydney 23 February - 27 February 2009.</i>	S1 Intensive
BIOL3011 Ecophysiology	6	A BIOL (2012 or 2912 or 2016 or 2916) or PLNT (2003 or 2903). P 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. N BIOL3911 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	Semester 1
BIOL3012 Animal Physiology	6	P 12 credit points of Intermediate Biology including BIOL (2012 or 2912 or 2016 or 2916) or PLNT (2003 or 2903) and 6 additional credit points of Intermediate Biology (BIOL/MBLG/PLNT/ENVI). N BIOL3912 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	Semester 1
BIOL3013 Marine Biology	6	A BIOL 2018 or MARS2006 P 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. N BIOL3913 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	Semester 1
BIOL3017 Fungi in the Environment	6	P 12 credit points of Intermediate Biology, or 6 credit points of Intermediate Biology and 6 Intermediate credit points of either Microbiology or Geography. N BIOL3917 <i>Dates: 16-27 February 2009. The completion of 6 credit points of MBLG units is highly recommended.</i>	S1 Intensive
BIOL3025 Evolutionary Genetics & Animal Behaviour	6	P 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. N BIOL3925	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BIOL3026 Developmental Genetics	6	P 12 credit points from MBLG (2071/2971) and MBLG (2072/2972). For BMedSc students: 36 credit points of Intermediate BMED units including BMED2802. N BIOL3926	Semester 2
BIOL3027 Bioinformatics and Genomics	6	P 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. N BIOL3927	Semester 1
BIOL3551 Biology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BIOL3552 Biology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BIOL3553 Biology Exchange	12	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BIOL3554 Biology Exchange	12	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BIOL3555 Biology Exchange	12	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BIOL3556 Biology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BIOL3557 Biology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
BIOL3906 Ecological Methods (Advanced)	6	A BIOL (2011 or 2911 or 2012 or 2912) or PLNT (2002 or 2902). P 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. N BIOL3006, MARS3102	Semester 1
BIOL3907 Ecology (Advanced)	6	A 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. P 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. N BIOL3007, MARS3102	Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BIOL3908 Marine Field Ecology (Advanced)	6	A BIOL (3006 or 3906). Prior completion of one of these units is very strongly recommended. P 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. N BIOL3008, MARS3102. <i>Dates: 2 - 9 July 2009. Plus four 1 hour tutorials during semester 2.</i>	S2 Intensive
BIOL3909 Terrestrial Field Ecology (Advanced)	6	A BIOL (3006 or 3906). Prior completion of one of these units is very strongly recommended. P Distinction average in 12 credit points of Intermediate Biology or ANSC2004 and BIOM2001 N BIOL3009. <i>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.</i>	S2 Intensive
BIOL3910 Tropical Wildlife Biol & Management Adv	6	A None, although Vertebrates and their Origins would be useful. P Distinction average in 12 credit points of Intermediate Biology (BIOL/ENVI/PLNT). N BIOL3010 <i>Note: Department permission required for enrolment Department permission required for enrolment. Dates: 15 - 20 February 2009 Northern Territory followed by tutorials and practical classes at the University of Sydney 23 - 27 February 2009.</i>	S1 Intensive
BIOL3911 Ecophysiology (Advanced)	6	A BIOL (2012 or 2912 or 2016 or 2916) or PLNT (2003 or 2903) P 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. N BIOL3011 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	Semester 1
BIOL3912 Animal Physiology (Advanced)	6	P Distinction average in 12 credit points of Intermediate Biology including BIOL (2012 or 2912 or 2016 or 2916) or PLNT (2003 or 2903) and 6 additional credit points of Intermediate Biology. These requirements may be varied and students with lower averages should consult the Unit Executive Officer. N BIOL3012 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	Semester 1
BIOL3913 Marine Biology (Advanced)	6	A BIOL2018 or MARS2006 P 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. N BIOL3013 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	Semester 1
BIOL3917 Fungi in the Environment (Advanced)	6	P 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. N BIOL3017 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	S1 Intensive
BIOL3925 Evolutionary Gen. & Animal Behaviour Adv	6	P 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. N BIOL3025.	Semester 2
BIOL3926 Developmental Genetics (Advanced)	6	P 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. N BIOL3026	Semester 2
BIOL3927 Bioinformatics and Genomics (Advanced)	6	P 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. N BIOL3027	Semester 1
MBLG1001 Molecular Biology and Genetics (Intro)	6	A 6 credit points of Junior Biology and 6 cp of Junior Chemistry N AGCH2001, BCHM2001, BCHM2101, BCHM2901, MBLG2101, MBLG2901, MBLG2001, MBLG2111, MBLG2771, MBLG2871, MBLG1901	Semester 2
MBLG2071 Molecular Biology and Genetics A	6	P MBLG1001 or MBLG1901 and 12 CP of Junior Chemistry. N MBLG2971, MBLG2771, MBLG2871, MBLG2001, MBLG2101, MBLG2901, MBLG2111, PLNT2001, AGCH2001, BCHM2001, BCHM2101, BCHM2901 <i>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.</i>	Semester 1
MBLG2072 Molecular Biology and Genetics B	6	A One of MBLG2071, MBLG2771, MBLG2001, MBLG2871, MBLG2971, MBLG2901 P BIOL (1001 or 1101 or 1901 or 1911) and MBLG (1001 or 1901) and 12 credit points of Junior Chemistry N MBLG2972, MBLG2102, MBLG2002, MBLG2902	Semester 2
MBLG2971 Molecular Biology and Genetics A (Adv)	6	P 12 credit points of Junior Chemistry and Distinction in MBLG (1001 or 1901) N MBLG2071, MBLG2771, MBLG2871, MBLG2001, MBLG2101, MBLG2901, MBLG2111, PLNT2001, AGCH2001, BCHM2001, BCHM2101, BCHM2901 <i>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.</i>	Semester 1
MBLG2972 Molecular Biology and Genetics B (Adv)	6	P Distinction in one of MBLG2071, MBLG2771, MBLG2001, MBLG2871, MBLG2971, MBLG2901 N MBLG2072, MBLG2102, MBLG2002, MBLG2902	Semester 2
PLNT2001 Plant Biochemistry and Molecular Biology	6	P 12 credit points of Junior Chemistry and 12 credit points of Junior Biology (or with the Dean's permission BIOL1201 and BIOL1202) N PLNT2901, AGCH2001	Semester 1
PLNT2002 Aust Flora: Ecology and Conservation	6	P 6 credit points of a Junior unit of study N PLNT2902	Semester 1
PLNT2003 Plant Form and Function	6	A 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) N PLNT2903, BIOL2003, BIOL2903, CROP2001	Semester 2
PLNT2901 Plant Biochem & Molecular Biology (Adv)	6	P 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) N PLNT2001, AGCH2001	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PLNT2902 Aust Flora: Ecology & Conservation (Adv)	6	A 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 P Distinction average in 6 credit points of Junior units of study N PLNT2002	Semester 1
PLNT2903 Plant Form and Function (Advanced)	6	A 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) N PLNT2003, BIOL2003, BIOL2903, CROP2001	Semester 2
PLNT3001 Plant, Cell and Environment	6	P 12 credit points of Intermediate Biology, Plant Science, Molecular Biology and Genetics or equivalent N PLNT3901	Semester 2
PLNT3901 Plant, Cell and Environment (Advanced)	6	P 12 credit points of Intermediate Biology, Plant Science, Molecular Biology and Genetics or equivalent with average grade of distinction N PLNT3001 <i>Note: Department permission required for enrolment</i>	Semester 2
BIOL4011 Biology Honours A <i>This unit of study is not available in 2009</i>	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BIOL4012 Biology Honours B	12	C BIOL4011 or (BIOL4015 and BIOL4016)	Semester 1 Semester 2
BIOL4013 Biology Honours C	12	C BIOL4012	Semester 1 Semester 2
BIOL4014 Biology Honours D	12	C BIOL4013 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Chemistry			
CHEM1001 Fundamentals of Chemistry 1A	6	A 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. N CHEM1101, CHEM1901, CHEM1109, CHEM1903	Semester 1
CHEM1002 Fundamentals of Chemistry 1B	6	P CHEM (1001 or 1101) or equivalent N CHEM1102, CHEM1108, CHEM1902, CHEM1904	Semester 2
CHEM1101 Chemistry 1A	6	A HSC Chemistry and Mathematics C Recommended concurrent units of study: 6 credit points of Junior Mathematics N CHEM1001, CHEM1109, CHEM1901, CHEM1903	Semester 1 Semester 2 Summer Main
CHEM1102 Chemistry 1B	6	P CHEM (1101 or 1901) or a Distinction in CHEM1001 or equivalent C Recommended concurrent units of study: 6 credit points of Junior Mathematics N CHEM1002, CHEM1108, CHEM1902, CHEM1904	Semester 1 Semester 2 Summer Main
CHEM1901 Chemistry 1A (Advanced)	6	P UAI 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 C Recommended concurrent unit of study: 6 credit points of Junior Mathematics N CHEM1001, CHEM1101, CHEM1109, CHEM1903 <i>Note: Department permission required for enrolment</i>	Semester 1
CHEM1902 Chemistry 1B (Advanced)	6	P CHEM (1901 or 1903) or Distinction in CHEM1101 or equivalent C Recommended concurrent unit of study: 6 credit points of Junior Mathematics N CHEM1002, CHEM1102, CHEM1108, CHEM1904 <i>Note: Department permission required for enrolment</i>	Semester 2
CHEM2401 Molecular Reactivity and Spectroscopy	6	P 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 N CHEM2001, CHEM2101, CHEM2301, CHEM2311, CHEM2502, CHEM2901, CHEM2903, CHEM2911, CHEM2915 <i>This is a required chemistry unit of study for students intending to major in chemistry.</i>	Semester 1
CHEM2911 Molecular Reactivity & Spectroscopy Adv	6	P 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. N CHEM2001, CHEM2101, CHEM2301, CHEM2311, CHEM2401, CHEM2502, CHEM2901, CHEM2903, CHEM2915	Semester 1
CHEM2915 Molecular Reactivity & Spectroscopy SSP	6	P 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 N CHEM2001, CHEM2101, CHEM2301, CHEM2311, CHEM2401, CHEM2502, CHEM2901, CHEM2903, CHEM2911 <i>Note: Department permission required for enrolment</i> <i>The number of places in this unit of study is strictly limited and entry is by invitation only.</i> <i>Enrolment is conditional upon available places.</i>	Semester 1
CHEM2402 Chemical Structure and Stability	6	P 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 N CHEM2202, CHEM2302, CHEM2902, CHEM2912, CHEM2916 <i>This is a required chemistry unit of study for students intending to major in chemistry.</i>	Semester 2
CHEM2912 Chemical Structure and Stability (Adv)	6	P 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. N CHEM2202, CHEM2302, CHEM2402, CHEM2902, CHEM2916	Semester 2
CHEM2916 Chemical Structure and Stability (SSP)	6	P 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. N CHEM2202, CHEM2302, CHEM2402, CHEM2902, CHEM2912 <i>Note: Department permission required for enrolment</i> <i>The number of places in this unit of study is strictly limited and entry is by invitation only.</i> <i>Enrolment is conditional upon available places.</i>	Semester 2
CHEM2404 Forensic and Environmental Chemistry	6	P 12 credit points of Junior Chemistry; 6 credit points of Junior Mathematics N CHEM3107, CHEM3197 <i>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.</i>	Semester 1

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
CHEM2403 Chemistry of Biological Molecules	6	P 12 credit points of Junior Chemistry; 6 credit points of Junior Mathematics N CHEM2001, CHEM2901, CHEM2311, CHEM2903, CHEM2913 <i>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.</i>	Semester 2
CHEM3110 Biomolecules: Properties and Reactions	6	P CHEM(2401 or 2911 or 2915) and CHEM(2402 or 2912 or 2916) N CHEM3910	Semester 1
CHEM3910 Biomolecules: Properties & Reactions Adv	6	P WAM of 65 or greater and a Credit or better in: CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). N CHEM3110	Semester 1
CHEM3111 Organic Structure and Reactivity	6	P CHEM(2401 or 2911 or 2915) and CHEM(2402 or 2912 or 2916) N CHEM3911	Semester 1
CHEM3911 Organic Structure and Reactivity (Adv)	6	P WAM of 65 or greater and a Credit or better in: CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). N CHEM3111	Semester 1
CHEM3112 Materials Chemistry	6	P CHEM(2401 or 2911 or 2915) and CHEM(2402 or 2912 or 2916) N CHEM3912	Semester 1
CHEM3912 Materials Chemistry (Adv)	6	P WAM of 65 or greater and a Credit or better in: CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). N CHEM3112	Semester 1
CHEM3113 Catalysis and Sustainable Processes	6	P CHEM(2401 or 2911 or 2915) and CHEM(2402 or 2912 or 2916) N CHEM3913	Semester 1
CHEM3913 Catalysis and Sustainable Process (Adv)	6	P WAM of 65 or greater and a Credit or better in: CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). N CHEM3113	Semester 1
CHEM3114 Metal Complexes: Medicine and Materials	6	P CHEM(2401 or 2911 or 2915) and CHEM(2402 or 2912 or 2916) N CHEM3914	Semester 2
CHEM3914 Metal Complexes: Medic. & Mater. (Adv)	6	P WAM of 65 or greater and a Credit or better in: CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). N CHEM3114	Semester 2
CHEM3115 Synthetic Medicinal Chemistry	6	P CHEM(2401 or 2911 or 2915) and CHEM(2402 or 2912 or 2916) N CHEM3915	Semester 2
CHEM3915 Synthetic Medicinal Chemistry (Adv)	6	P WAM of 65 or greater and a Credit or better in: CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). N CHEM3115	Semester 2
CHEM3116 Membranes, Self Assembly and Surfaces	6	P CHEM(2401 or 2911 or 2915) and CHEM(2402 or 2912 or 2916) N CHEM3916	Semester 2
CHEM3916 Membranes, Self Assembly & Surfaces(Adv)	6	P WAM of 65 or greater and a Credit or better in: CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). N CHEM3116	Semester 2
CHEM3117 Molecular Spectroscopy & Quantum Theory	6	P CHEM(2401 or 2911 or 2915) and CHEM(2402 or 2912 or 2916) N CHEM3917	Semester 2
CHEM3917 Mol. Spectroscopy & Quantum Theory (Adv)	6	P WAM of 65 or greater and a Credit or better in: CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916). N CHEM3117	Semester 2
CHEM4011 Chemistry Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
CHEM4012 Chemistry Honours B	12	C CHEM4011	Semester 1 Semester 2
CHEM4013 Chemistry Honours C	12	C CHEM4012	Semester 1 Semester 2
CHEM4014 Chemistry Honours D	12	C CHEM4013	Semester 1 Semester 2
Computer Science			
INFO1103 Introduction to Programming	6	A HSC Mathematics N INFO1903 or SOFT (1001 or 1901) or COMP (1001 or 1901) or DECO2011	Semester 1 Semester 2
INFO1903 Informatics (Advanced)	6	A HSC Mathematics P UAI sufficient to enter BCST(Adv), BIT or BSc(Adv), or portfolio of work suitable for entry N INFO1003, INFO1103 <i>Note: Department permission required for enrolment</i>	Semester 1
INFO1105 Data Structures	6	A Programming, as for INFO1103 N INFO1905 or SOFT (1002 or 1902) or COMP (1002 or 1902 or 2160 or 2860 or 2111 or 2811 or 2002 or 2902)	Semester 2
INFO1905 Data Structures (Advanced)	6	P Distinction-level performance in INFO1103 or INFO1903 or SOFT1001 or SOFT1901. N INFO1105 or SOFT (1002 or 1902) or COMP (1002 or 1902)	Semester 2
ELEC1601 Foundations of Computer Systems	6	A HSC Mathematics extension 1 N NETS2008 Computer System Organisation, NETS2908 Computer System Organisation (Adv), COMP2001 Computer Systems, COMP2901 Computer Systems (Adv).	Semester 2
COMP2007 Algorithms and Complexity	6	A INFO1105, MATH1004 or MATH1904Discrete Maths N COMP (2907 or 3309 or 3609 or 3111 or 3811)	Semester 2
COMP2907 Algorithms and Complexity (Advanced)	6	P Distinction level result in INFO (1105 or 1905) or SOFT (1002 or 1902) N COMP (2007 or 3309 or 3609 or 3111 or 3811)	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
COMP2129 Operating Systems and Machine Principles	6	A Programming, as from INFO1103 N SOFT (2130 or 2830 or 2004 or 2904) or COMP (2004 or 2904)	Semester 1
INFO2110 Systems Analysis and Modelling	6	A Experience with a data model as in INFO1003 or INFO1103 or INFS1000 N INFO (2810 or 2000 or 2900)	Semester 2
INFO2120 Database Systems 1	6	A Some exposure to programming and some familiarity with data model concepts such as taught in INFO1103 or INFO1003 or INFS1000 or INFO1903 N INFO (2820 or 2005 or 2905)	Semester 1
INFO2820 Database Systems 1 (Advanced)	6	P Distinction-level result in INFO (1003 or 1103 or 1903 or 1105 or 1905) or SOFT (1001 or 1901 or 1002 or 1902) N INFO (2120 or 2005 or 2905)	Semester 1
INFO2315 Introduction to IT Security	6	A Computer literacy N NETS (3305 or 3605 or 3016 or 3916) or ELEC (5610 or 5616)	Semester 2
INFO3402 Management of IT Projects and Systems	6	A INFO (2000 or 2110 or 2810 or 2900) N ISYS (3000 or 3012) or ELEC3606	Semester 1
INFO3220 Object Oriented Design	6	A INFO2110, INFO1105 N SOFT (3301 or 3601 or 3101 or 3801) or COMP (3008 or 3908)	Semester 1
COMP3520 Operating Systems Internals	6	A COMP2129, INFO1105 N NETS (3304 or 3604 or 3009 or 3909) or COMP (3009 or 3909)	Semester 1
COMP3308 Introduction to Artificial Intelligence	6	A COMP2007 N COMP (3608 or 3002 or 3902)	Semester 1
COMP3608 Intro. to Artificial Intelligence (Adv)	6	P Distinction-level results in some 2nd year COMP or MATH or SOFT units. N COMP (3308 or 3002 or 3902)	Semester 1
COMP3419 Graphics and Multimedia	6	A COMP2007, MATH1002 N MULT (3306 or 3606 or 3019 or 3919 or 3004 or 3904) or COMP(3004 or 3904)	Semester 1
INFO3600 Major Development Project (Advanced)	12	P INFO3402 N COMP3615 or ISYS3400 or SOFT (3300 or 3600 or 3200 or 3700) <i>Only available to students in BIT, BCST(Adv) or BSc(Adv)</i>	Semester 2
COMP3615 Software Development Project	6	P INFO3402 N INFO3600 or SOFT (3300 or 3600 or 3200 or 3700)	Semester 2
INFO3404 Database Systems 2	6	A 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. N INFO (3504 or 3005 or 3905) or COMP (3005 or 3905)	Semester 2
INFO3504 Database Systems 2 (Adv)	6	P Distinction-level result in INFO (2120 or 2820) or COMP (2007 or 2907) N INFO (3404 or 3005 or 3905) or COMP (3005 or 3905)	Semester 2
COMP3109 Programming Languages and Paradigms	6	A COMP2007	Semester 2
INFO3315 Human-Computer Interaction	6	A INFO2110 N MULT (3307 or 3607 or 3018 or 3918) or SOFT (3102 or 3802) or COMP (3102 or 3802)	Semester 2
COMP3456 Computational Methods for Life Sciences	6	P INFO1105 and (COMP2007 or INFO2120) and 6 credit points from BIOL or MBLG	Semester 2
ELEC3506 Data Communications and the Internet	6	A SOFT2004 Software Development Methods 1 or COMP2004 Programming Practice or SOFT2130 Software Construction. N 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.	Semester 2
ELEC3610 E-Business Analysis and Design	6	P INFO2120 N EBUS3003 E-Business System Design, EBUS3001 Introduction to e-Commerce Systems	Semester 1
ELEC3609 Internet Software Platforms	6	P INFO1103, INFO2110, INFO2120 N EBUS4001 E-Business Engineering	Semester 2
Economics			
ECMT1010 Business and Economic Statistics A	6	N ECMT1011, ECMT1012, ECMT1013, MATH1015, MATH1005, MATH1905, STAT1021	Semester 1 Semester 2
ECMT1020 Business and Economic Statistics B	6	C ECMT1010 N ECMT1021, ECMT1022, ECMT1023 <i>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.</i>	Semester 2 Summer Main
ECMT1551 Econometrics Exchange	6	<i>Note: Department permission required for enrolment</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 2
ECON1001 Introductory Microeconomics	6	A Mathematics	Semester 1 Summer Main
ECON1002 Introductory Macroeconomics	6	A Mathematics	Semester 2 Summer Main
ECOS1551 Economics Exchange	6	<i>Note: Department permission required for enrolment</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ECOS2001 Intermediate Microeconomics	6	P ECON1001 C ECMT1010 N ECON2001, ECOS2901, ECON2901 <i>Certain combinations of Maths/Stats may substitute for Econometrics - consult the Chair of the Discipline of Economics.</i>	Semester 1 Semester 2 Summer Main
ECOS2201 Economics of Competition and Strategy	6	P ECON1001, ECON1002 N ECON2201, ECOS3005	Semester 2
ECOS2306 Managerial Firms: Evolution & Attributes	6	P ECON1001, ECON1002 N ECHS2306, ECOS3003, ECON3003	Semester 1
ECOS2551 Economics Exchange	6	<i>Note: Department permission required for enrolment</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 2
ECOS2552 Economics Exchange	6	<i>Note: Department permission required for enrolment</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 2
ECOS2901 Intermediate Microeconomics Honours	6	P ECON1001 and ECON1002 with a Credit average or better in the two units of study combined C ECOS2903 and ECMT1010 N ECON2901, ECOS2001, ECON2001 <i>Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.</i>	Semester 1
ECOS2902 Intermediate Macroeconomics Honours	6	P ECON1001 and ECON1002 with a Credit average or better in the two units of study combined C ECMT1020 N ECON2902, ECOS2002, ECON2002 <i>Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.</i>	Semester 2
ECOS2903 Mathematical Economics A	6	C ECOS2901 N ECON2903	Semester 1
ECOS3001 Capital and Growth	6	P 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) N ECON3001	Semester 1
ECOS3002 Development Economics	6	P One of (ECOS2001 or ECON2001) or (ECOS2002 or ECON2002) or (ECOS2901 or ECON2901) or (ECOS2902 or ECON2902) N ECON3002	Semester 2
ECOS3003 Hierarchies, Incentives & Firm Structure	6	P Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) N ECON3003	Semester 2
ECOS3004 History of Economic Thought	6	P 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) N ECON3004	Semester 2
ECOS3005 Industrial Organisation	6	P One of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) or (ECOS3005, ECOS2201) N ECON3005, ECOS2201	Semester 2 Summer Main
ECOS3006 International Trade	6	P Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) N ECON3006	Semester 1
ECOS3007 International Macroeconomics	6	P One of (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) N ECON3007	Semester 1
ECOS3008 Labour Economics	6	P 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) N ECON3008	Semester 2
ECOS3010 Monetary Economics	6	P one of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) or (ECOS2002 or ECON2002) or (ECOS2902 or ECON2902) N ECON3010	Semester 2
ECOS3011 Public Finance	6	P Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) N ECON3011	Semester 2
ECOS3012 Strategic Behaviour	6	P Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901). N ECON3012 <i>Note: Department permission required for enrolment</i> <i>Departmental permission required for enrolment.</i>	Semester 1
ECOS3015 Law and Economics <i>This unit of study is not available in 2009</i>	6	P Either (ECOS2001 or ECON2001) OR (ECOS2901 or ECON2901) N ECON3015	Semester 2
ECOS3016 Experimental and Behavioural Economics	6	P ECOS2001 (or ECON2001) OR ECOS2901 (or ECON2901)	Semester 1
ECOS3017 Health Economics	6	P ECOS2001 (or ECON2001) OR ECOS2901 (or ECON2901)	Semester 1
ECOS3020 Special Topic in Economics	6	P ECOS2001 (or ECON2001) and ECOS2002 (or ECON2002) OR ECOS2901 (or ECON2901) and ECOS2902 (or ECON2902) <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ECOS3551 Economics Exchange	6	P ECON1001 and ECON1002 <i>Note: Department permission required for enrolment</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 2
ECOS3552 Economics Exchange	6	P ECON1001 and ECON1002 <i>Note: Department permission required for enrolment</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 2
ECOS3553 Economics Exchange	6	P ECON1001 and ECON1002 <i>Note: Department permission required for enrolment</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 2
ECOS3554 Economics Exchange	6	P ECON1001 and ECON1002 <i>Note: Department permission required for enrolment</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 2
ECOS3901 Advanced Microeconomics	6	P (ECOS2901 or ECON2901) and (ECOS2902 or ECON2902) and (ECOS2903 or ECON2903) with a Credit average or better over the three units combined. C ECMT2110 or ECMT2010 N ECON3901 <i>Note: Department permission required for enrolment</i> <i>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</i>	Semester 1
ECOS3902 Advanced Macroeconomics	6	P (ECOS2901 or ECON2901), (ECOS2902 or ECON2902), (ECOS2903 or ECON2903) and (ECOS3901 or ECON3901) C ECOS3903 N ECON3902 <i>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</i>	Semester 2
ECOS3903 Applied Economics	6	P ECOS2901 (or ECON2901), ECOS2902 (or ECON2902) and ECOS2903 (or ECON2903) C ECMT2110 and ECOS3901 or ECOS3902 <i>This unit is compulsory for students intending to proceed to fourth year honours.</i>	Semester 2
ECON4101 Economics Honours A	12	P 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). <i>Note: Department permission required for enrolment</i> <i>Requirements for the Pass degree must be completed before entry to 4000 level honours units of study.</i>	Semester 1 Semester 2
ECON4102 Economics Honours B	12	C ECON4101	Semester 1 Semester 2
ECON4103 Economics Honours C	12	C ECON4102	Semester 1 Semester 2
ECON4104 Economics Honours D	12	C ECON4103	Semester 1 Semester 2
Education			
EDUF1018 Education, Teachers and Teaching	6	N EDUF1011	Semester 1
EDUF1019 Human Development and Education	6	N EDUF1012	Semester 2
EDUF2006 Educational Psychology	6	P (EDUF1018 and EDUF1019) or 30 junior credit points	Semester 1
EDUF2007 Social Perspectives on Education	6	P (EDUF1018 and EDUF1019) or 30 junior credit points	Semester 2
EDUF3023 Sports, Leisure and Youth	6	P 42 credit points	Semester 1
EDUF3024 Adolescent Development <i>This unit of study is not available in 2009</i>	6	P 42 credit points and EDUF1019	Semester 2
EDUF3027 International Education	6	P 42 credit points	Semester 2
EDUF3028 Mentoring in Educational Contexts	6	P 42 credit points	Semester 1
EDUF3029 Psychology of Learning and Teaching	6	P 42 credit points and EDUF2006	Semester 2
EDUF3030 Australian Secondary Schooling	6	P 42 credit points	Semester 1
EDUF3031 Positive Approaches to Special Education	6	P 42 credit points	Semester 1 Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
EDUF3032 Curriculum and Evaluation	6	P 42 credit points	Semester 2
EDUF3033 Problems of Knowledge and Ethics <i>This unit of study is not available in 2009</i>	6	P 42 credit points	Semester 2
EDUF3034 Australian Theatre, Film and Learning	6	P 42 credit points	Semester 1 Semester 2
EDUF3035 Multicultural Learning and Teaching	6	P 42 credit points	Semester 1 Summer Main
EDUF3036 Arts-Based Learning and Teaching	6	P 42 credit points	Semester 2
EDUF4215 Education Honours 1	24	P 18 credit points from the following: EDUF3023, EDUF3024, EDUF3026, EDUF3027, EDUF3028, EDUF3029, EDUF3030, EDUF3031, EDUF3032 or EDUF3033 Note: Department permission required for enrolment Only students undertaking Education Honours from other Faculties are eligible to enrol.	Semester 1
EDUF4216 Education Honours 2	24	P 18 credit points from the following: EDUF3023, EDUF3024, EDUF3026, EDUF3027, EDUF3028, EDUF3029, EDUF3030, EDUF3031, EDUF3032, EDUF3033 or EDUF4215 C EDUF4215 Note: Department permission required for enrolment Only students undertaking Education Honours from other Faculties are eligible to enrol.	Semester 2
Environmental Studies			
GEOS1001 Earth, Environment and Society	6	N GEOS1901, GEOG1001, GEOG1002, GEOL1001, GEOL1002, GEOL1902	Semester 1
GEOS1901 Earth, Environment and Society Advanced	6	P 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. N GEOS1001, GEOG1001, GEOG1002, GEOL1001, GEOL1002, GEOL1902 Note: Department permission required for enrolment	Semester 1
GEOS2112 Economic Geography of Global Development	6	P 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 N GEOS2912, GEOG2511	Semester 1
GEOS2113 Making the Australian Landscape	6	P 24 credit points of Junior units of study, including GEOS1002 or GEOS1003 or GEOS1902 or GEOS1903 or GEOG1001 or ENV1002 or GEOL1001 or GEOL1002 or GEOL1902 N GEOS2913	Semester 1
GEOS2122 Urban Geography	6	P 24 credit points of Junior units of study, including GEOS1001 or GEOS1002 or GEOS1003 or ECOP1001 or ECOP1002. N GEOS2922, GEOG2521	Semester 2
GEOS2912 Economic Geography of Global Dev. Adv.	6	P 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 N GEOS2112, GEOG2511	Semester 1
GEOS2922 Urban Geography (Advanced)	6	P 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 N GEOS2122	Semester 2
GEOS3014 GIS in Coastal Management	6	P 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)) N GEOS3914, MARS3104. * Geoscience is the disciplines of Geography, Geology and Geophysics.	Semester 2
GEOS3018 Rivers: Science, Policy and Management	6	P (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)) N GEOS3918	Semester 1
GEOG3521 Sustainable Cities	6	P 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. N GEOG3921, GEOG3202	Semester 2
GEOS3522 Cities and Citizenship	6	P 6 credit points of intermediate geography. N GEOG3203, GEOS3922	Semester 2
GEOS3918 Rivers: Science and Management (Adv)	6	P 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)) N GEOS3018	Semester 1
GEOS3922 Cities and Citizenship (Advanced)	6	P Distinction average in 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. N GEOS3522	Semester 2
Geography			
GEOG1551 Geography Exchange	6	Note: Department permission required for enrolment Special permission is required for this unit of study.	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEOS2111 Natural Hazards: a GIS Approach	6	P 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 N GEOG2411, GEOS2911	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
GEOS2112 Economic Geography of Global Development	6	P 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 N GEOS2912, GEOG2511	Semester 1
GEOS2113 Making the Australian Landscape	6	P 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 N GEOS2913	Semester 1
GEOS2121 Environmental and Resource Management	6	P 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 N GEOG2421, GEOL2202, GEOS2921	Semester 2
GEOS2122 Urban Geography	6	P 24 credit points of Junior units of study, including GEOS1001 or GEOS1002 or GEOS1003 or ECOP1001 or ECOP1002. N GEOS2922, GEOG2521	Semester 2
GEOS2911 Natural Hazards: a GIS Approach Advanced	6	P 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 N GEOG2411, GEOS2111	Semester 1
GEOS2912 Economic Geography of Global Dev. Adv.	6	P 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 N GEOS2112, GEOG2511	Semester 1
GEOG2321 Fluvial and Groundwater Geomorphology	6	P 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. N GEOG (2002 or 2302 or 2303) or MARS2002 or MARS2006	Semester 2
GEOG2556 Geography Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEOG3521 Sustainable Cities	6	P 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. N GEOG3921, GEOG3202	Semester 2
GEOG3551 Geography Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEOG3552 Geography Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEOG3553 Geography Exchange	12	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEOG3554 Geography Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
GEOG3555 Geography Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEOG3921 Sustainable Cities (Adv)	6	P Distinction average 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. N GEOG3521, GEOG3202	Semester 2
GEOG4011 Geography Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GEOG4012 Geography Honours B	12	C GEOG 4011	Semester 1 Semester 2
GEOG4013 Geography Honours C	12	C GEOG 4012	Semester 1 Semester 2
GEOG4014 Geography Honours D	12	C GEOG 4013	Semester 1 Semester 2
Geology and Geophysics			
GEO1551 Geology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEO1552 Geology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEO12554 Geology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEO12555 Geology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEO12556 Geology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEO12557 Geology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
GEOL3551 Geology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEOL3552 Geology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEOL3553 Geology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEOL3554 Geology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEOS1001 Earth, Environment and Society	6	N GEOS1901, GEOG1001, GEOG1002, GEOL1001, GEOL1002, GEOL1902	Semester 1
GEOS1002 Introductory Geography	6	N GEOS1902, GEOG1001, GEOG1002	Semester 2
GEOS1003 Introduction to Geology	6	N GEOS1903, GEOL1002, GEOL1902	Semester 2
GEOS1901 Earth, Environment and Society Advanced	6	P 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. N GEOS1001, GEOG1001, GEOG1002, GEOL1001, GEOL1002, GEOL1902 <i>Note: Department permission required for enrolment</i>	Semester 1
GEOS1902 Introductory Geography (Advanced)	6	P 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. N GEOS1002, GEOG1001, GEOG1002 <i>Note: Department permission required for enrolment</i>	Semester 2
GEOS1903 Introduction to Geology (Advanced)	6	P 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. N GEOL1002, GEOL1902, GEOS1003 <i>Note: Department permission required for enrolment</i>	Semester 2
GEOS2111 Natural Hazards: a GIS Approach	6	P 24 credit points of junior units of study including one of GEOS1001 or GEOS1002 or GEOS1003 or GEOG1001 or GEOG1002 or ENVI1002 or GEOL1001 or GEOL1002 or GEOS1902 or GEOL1501 or GEOS1901 or GEOS1903 N GEOG2411, GEOS2911	Semester 1
GEOS2114 Volcanoes, Hot Rocks and Minerals	6	P One of (GEOG1001, GEOL1001, GEOL1002, GEOS1003, GEOS1903, ENVI1002, GEOL1902, GEOL1501) and 24 credit points of Junior Science units of study. N GEOL2111, GEOL2911, GEOS2914	Semester 1
GEOS2121 Environmental and Resource Management	6	P 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 N GEOG2421, GEOL2202, GEOS2921	Semester 2
GEOS2124 Fossils and Tectonics	6	P 24 credit points of Junior units of study, including GEOS1003 or GEOS1903 or GEOL1002 or GEOL1902 or GEOL1501 N GEOS2924, GEOL2123, GEOL2124	Semester 2
GEOS2911 Natural Hazards: a GIS Approach Advanced	6	P 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 N GEOG2411, GEOS2111	Semester 1
GEOS2912 Economic Geography of Global Dev. Adv.	6	P 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 N GEOS2112, GEOG2511	Semester 1
GEOS2913 Making the Australian Landscape Advanced	6	P 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 N GEOS2113	Semester 1

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
GEOS2914 Volcanoes, Hot Rocks and Minerals Adv	6	P 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. N GEOL2001, GEOS2114	Semester 1
GEOS2921 Environmental & Resource Management Adv	6	P 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. N GEOG2421, GEOL2202, GEOS2121	Semester 2
GEOS2922 Urban Geography (Advanced)	6	P 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 N GEOS2122	Semester 2
GEOS2924 Fossils and Tectonics (Advanced)	6	P Distinction in GEOS1003 or Distinction average in 12 credit points of Junior Geoscience units (Geoscience is the disciplines of Geography, Geology and Geophysics) N GEOS2124, GEOL2123, GEOL2124	Semester 2
GEOS3008 Field Geology and Geophysics	6	P 12 credit points of Intermediate GEOS units N GEOL3103, GEOS3908	Semester 2
GEOS3009 Coastal Environments & Processes	6	P (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)) N GEOS3909, MARS3003, MARS3105 <i>* Geoscience is the disciplines of Geography, Geology and Geophysics.</i>	Semester 1
GEOS3014 GIS in Coastal Management	6	P 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)) N GEOS3914, MARS3104. <i>* Geoscience is the disciplines of Geography, Geology and Geophysics.</i>	Semester 2
GEOS3015 Environmental Geomorphology	6	A Intermediate geomorphology/ physical geography/ geology. P 24 credit points of Intermediate units, including 6 credit points of Intermediate Geography. N GEOS3915	Semester 2
GEOS3018 Rivers: Science, Policy and Management	6	P (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)) N GEOS3918	Semester 1
GEOS3053 Asia-Pacific Field School-Assessment A	6	P 6 credit points of Intermediate units of study in Geography. Department permission is required for enrolment. C GEOS3054 N GEOG3201, GEOS3953 <i>Note: Department permission required for enrolment Students must contact the unit coordinator no later than the end of May in the year before taking this Unit.</i>	S1 Intensive
GEOS3054 Asia-Pacific Field School-Assessment B	6	P 6 credit points of Intermediate units of study in Geography. Department permission required for enrolment. C GEOS3053 N GEOG3201, GEOS3954 <i>Note: Department permission required for enrolment Students must contact the unit coordinator no later than the end of May in the year before taking this Unit.</i>	S1 Intensive
GEOS3511 Understanding Australia's Regions <i>This unit of study is not available in 2009</i>	6	P 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study - one of GEOG2311, GEOG2321, GEOG2411, GEOG2421, GEOG2511, GEOG2521, GEOS2111, GEOS2112, GEOS2113, GEOS2121, GEOS2122, GEOS2124, GEOS2911, GEOS2912, GEOS2921, GEOS2922, GEOS2924 N GEOS3911	Semester 1
GEOS3512 Contemporary Global Geographies <i>This unit of study is not available in 2009</i>	6	P 6 credit points of Intermediate units of study in Geography. N GEOS3912	Semester 1
GEOS3522 Cities and Citizenship	6	P 6 credit points of intermediate geography. N GEOG3203, GEOS3922	Semester 2
GEOS3551 Geoscience Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEOS3552 Geoscience Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEOS3553 Geoscience Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
GEOS3554 Geoscience Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
GEOS3909 Coastal Environments and Processes (Adv)	6	P 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))) N GEOS3009, MARS3003, MARS3105 <i>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.</i>	Semester 1
GEOS3911 Understanding Australia's Regions (Adv) <i>This unit of study is not available in 2009</i>	6	P Distinction average in 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study - one of GEOG2311, GEOG2321, GEOG2411, GEOG2411, GEOG2421, GEOG2511, GEOG2521, GEOS2111, GEOS2112, GEOS2113, GEOS2121, GEOS2122, GEOS2124, GEOS2911, GEOS2912, GEOS2921, GEOS2922, GEOS2924 N GEOS3511 <i>Note: Department permission required for enrolment</i>	Semester 1
GEOS3912 Contemporary Global Geographies (Adv) <i>This unit of study is not available in 2009</i>	6	P Distinction in 6 credit points of Intermediate units of study in Geography. Department approval required for enrolment. N GEOS3512 <i>Note: Department permission required for enrolment</i>	Semester 1
GEOS3914 GIS in Coastal Management (Advanced)	6	P 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. N GEOS3014, MARS3104 <i>Note: Department permission required for enrolment 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.</i>	Semester 2
GEOS3915 Environmental Geomorphology (Advanced)	6	P Distinction average in 24 credit points of Intermediate units of study including 6 credit points of Intermediate Geography units of study. N GEOS3015 <i>Note: Department permission required for enrolment</i>	Semester 2
GEOS3918 Rivers: Science and Management (Adv)	6	P 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)) N GEOS3018	Semester 1
GEOS3922 Cities and Citizenship (Advanced)	6	P Distinction average in 24 credit points of Intermediate Units of study including 6 credit points of Intermediate Geography units of study. N GEOS3522	Semester 2
GEOS3953 Asia-Pacific Field School-A (Adv)	6	P 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. C GEOS3954 N GEOS3053 <i>Note: Department permission required for enrolment Students must contact the unit coordinator no later than the end of May in the year before taking this Unit.</i>	S1 Intensive
GEOS3954 Asia-Pacific Field School-B (Adv)	6	P 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. C GEOS3953 N GEOS3054 <i>Note: Department permission required for enrolment Students must contact the unit coordinator no later than the end of May in the year before taking this Unit.</i>	S1 Intensive
GEOL4011 Geology Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
GEOL4012 Geology Honours B	12	C GEOL4011	Semester 1 Semester 2
GEOL4013 Geology Honours C	12	C GEOL4012	Semester 1 Semester 2
GEOL4014 Geology Honours D	12	C GEOL4013	Semester 1 Semester 2
History and Philosophy of Science			
HPSC1000 Bioethics	6	N HPSC1900 <i>This Junior unit of study is highly recommended to Intermediate and Senior Life Sciences students.</i>	Semester 1
HPSC1900 Bioethics (Advanced)	6	N HPSC1000 <i>Note: Department permission required for enrolment</i>	Semester 1
HPSC2100 The Birth of Modern Science	6	P 24 credit points of Junior units of study N HPSC2002, HPSC2900	Semester 1
HPSC2101 What Is This Thing Called Science?	6	P 24 credit points of Junior units of study N HPSC2001, HPSC2901	Semester 2 Summer Main
HPSC2900 The Birth of Modern Science (Advanced)	6	P Enrolment in the Talented Student Program or 24 credit points of Junior study with a Distinction average N HPSC2002, HPSC2100 <i>Note: Department permission required for enrolment</i>	Semester 1

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
HPSC2901 What Is This Thing Called Science? (Adv)	6	P Enrolment in the Talented Student Program or 24 credit points of Junior study with a Distinction average N HPSC2002, HPSC2100 <i>Note: Department permission required for enrolment</i>	Semester 2
HPSC3002 History of Biological/Medical Sciences	6	A HPSC (2001 and 2002) or HPSC (2100 and 2101) P 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	Semester 2
HPSC3016 The Scientific Revolution	6	A HPSC (2100 and 2101) or HPSC (2001 and 2002) P 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. N HPSC3001, HPSC3106 <i>This unit will not be offered every year.</i>	Semester 2
HPSC3022 Science and Society	6	A HPSC (2100 and 2101) or HPSC (2001 and 2002). P 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. N HPSC3003 <i>This unit is a requirement for HPS majors.</i>	Semester 1
HPSC3023 Psychology & Psychiatry: History & Phil	6	A 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. P (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). N PSYC3202	Semester 1
HPSC3024 Science and Ethics	6	P At least 24 credit points of Intermediate or Senior units of study N HPSC3007 <i>This unit will not be offered every year.</i>	Semester 2
HPSC4101 Philosophy of Science	6	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1
HPSC4102 History of Science	6	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HPSC4103 Sociology of Science	6	P 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. <i>Note: Department permission required for enrolment</i>	Semester 2
HPSC4104 Recent Topics in HPS	6	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HPSC4105 HPS Research Methods	6	P 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. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HPSC4108 Core topics: History & Philosophy of Sci	6	P 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 N Not available to students who have completed a major in History and Philosophy of Science or an equivalent program of study at another institution. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HPSC4201 HPS Research Project 1	6	A HPSC (2001 and 2002) or HPSC (2100 and 2101) P Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). N HPSC4106, HPSC4107 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HPSC4202 HPS Research Project 2	6	A HPSC (2001 and 2002) or HPSC (2100 and 2101) P Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). N HPSC4106 and HPSC4107 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HPSC4203 HPS Research Project 3	6	A HPSC (2001 and 2002) or HPSC (2100 and 2101) P Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). N HPSC4106, HPSC4107 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HPSC4204 HPS Research Project 4	6	A HPSC (2001 and 2002) or HPSC (2100 and 2101) P Available only to students admitted to HPS Honours and Graduate Diploma or Certificate in Science (History and Philosophy of Science). N HPSC4106, HPSC4107 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HPSC4999 History & Philosophy of Science Honours		P Available only to students admitted to HPS Honours. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Industrial Relations and Human Resource Management			
WORK1003 Foundations of Work and Employment	6	<i>This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.</i>	Semester 1 Semester 2
WORK2201 Foundations of Management	6	P 24 credit points of junior units of study N IREL2001, WORK2001 <i>This is the compulsory unit of study for the Management major.</i>	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
WORK2203 Industrial Relations Policy	6	P 24 credit points of junior units of study including (WORK1003 or WORK1001 or IREL1001) N IREL2003, WORK2003 <i>This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.</i>	Semester 2
WORK2204 Sociology of Work	6	P 48 credit points N IREL2004; WORK2004	Semester 1
WORK2205 Human Resource Processes	6	P 24 credit points of junior units of study including WORK1003 (or WORK1002 or IREL1002) N IREL2005, WORK2005 <i>This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.</i>	Semester 1
WORK2207 Labour Law	6	P 40 credit points including WORK1003 (or WORK1001 or IREL1001) N IREL2007; WORK2007	Semester 1
WORK2209 Organisational Analysis and Behaviour	6	P 40 credit points worth of units of study N IREL2009, WORK2009	Semester 1
WORK2210 Strategic Management	6	P 40 credit points worth of units of study N IREL2010, WORK2010	Semester 2
WORK2211 Human Resource Strategies	6	P 40 credit points of units of study including WORK1003 (or WORK1002 or IREL1002) N IREL2011, WORK2011	Semester 2
WORK2215 IR and HRM Practice	6	P WORK1003 or (WORK1001 and WORK1002) plus 12 senior credit points in WOS units of study N IREL2015, WORK2015 <i>Note: Department permission required for enrolment 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/</i>	S2 Late Int
WORK2217 International Human Resource Management	6	P 40 credit points worth of units of study including either (WORK1003 or WORK1001 or IREL1001) OR (IBUS2101 or IBUS2001) N WORK2017	Semester 2
WORK2218 People and Organisations	6	P 24 junior credit points	Semester 1 Semester 2
WORK2219 Management and Organisational Ethics	6	P 40 credit points worth of units of study	Semester 2
WORK2220 Managing Knowledge Work	6	P 48 credit points	Semester 2
WORK2221 Organisational Communication	6	P 40 credit points worth of units of study	Semester 2
WORK2222 Leadership in Organisations	6	A WORK2201 or WORK2218 P 40 credit points worth of units of study	Semester 1
WORK2223 Work and Globalisation	6	P WORK1003	Semester 1
WORK2551 Work & Organisational Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 2
WORK2552 Work & Organisational Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 2
WORK2553 Work & Organisational Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 2
WORK2554 Work & Organisational Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 2
WORK2555 Work & Organisational Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 2
WORK2556 Work & Organisational Studies Exchange	6	<i>Note: Department permission required for enrolment</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 2
WORK3921 Theories of Work and Organisations	6	P (WORK1003 or WORK1001 or IREL1001) and (WORK1002 or IREL1002) N IREL3901, WORK3901 <i>Note: Department permission required for enrolment</i>	Semester 1

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
WORK3922 Researching Work and Organisations	6	P (WORK3921 or IREL3901) or (IREL2901 and IREL2902) N IREL3902, WORK3902 <i>Note: Department permission required for enrolment</i>	Semester 2
WORK4101 Industrial Relations & HRM Honours A	12	P 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. N IREL4101 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
WORK4102 Industrial Relations & HRM Honours B	12	C WORK4101 N IREL4102	Semester 1 Semester 2
WORK4103 Industrial Relations & HRM Honours C	12	C WORK4102 N IREL4103	Semester 1 Semester 2
WORK4104 Industrial Relations & HRM Honours D	12	C WORK4103 N IREL4104	Semester 1 Semester 2
Information Systems			
INFO1003 Foundations of Information Technology	6	N INFO (1903 or 1000) or INFS1000	Semester 1 Semester 2
INFO1103 Introduction to Programming	6	A HSC Mathematics N INFO1903 or SOFT (1001 or 1901) or COMP (1001 or 1901) or DECO2011	Semester 1 Semester 2
INFO1903 Informatics (Advanced)	6	A HSC Mathematics P UAI sufficient to enter BCST(Adv), BIT or BSc(Adv), or portfolio of work suitable for entry N INFO1003, INFO1103 <i>Note: Department permission required for enrolment</i>	Semester 1
INFO1105 Data Structures	6	A Programming, as for INFO1103 N INFO1905 or SOFT (1002 or 1902) or COMP (1002 or 1902 or 2160 or 2860 or 2111 or 2811 or 2002 or 2902)	Semester 2
INFO1905 Data Structures (Advanced)	6	P Distinction-level performance in INFO1103 or INFO1903 or SOFT1001 or SOFT1901. N INFO1105 or SOFT (1002 or 1902) or COMP (1002 or 1902)	Semester 2
ISYS2140 Information Systems	6	A INFO1003 or INFS1000 N ISYS (2006 or 2007)	Semester 1
INFO2110 Systems Analysis and Modelling	6	A Experience with a data model as in INFO1003 or INFO1103 or INFS1000 N INFO (2810 or 2000 or 2900)	Semester 2
INFO2120 Database Systems 1	6	A Some exposure to programming and some familiarity with data model concepts such as taught in INFO1103 or INFO1003 or INFS1000 or INFO1903 N INFO (2820 or 2005 or 2905)	Semester 1
INFO2820 Database Systems 1 (Advanced)	6	P Distinction-level result in INFO (1003 or 1103 or 1903 or 1105 or 1905) or SOFT (1001 or 1901 or 1002 or 1902) N INFO (2120 or 2005 or 2905)	Semester 1
INFO2315 Introduction to IT Security	6	A Computer literacy N NETS (3305 or 3605 or 3016 or 3916) or ELEC (5610 or 5616)	Semester 2
INFO3402 Management of IT Projects and Systems	6	A INFO (2000 or 2110 or 2810 or 2900) N ISYS (3000 or 3012) or ELEC3606	Semester 1
INFO3220 Object Oriented Design	6	A INFO2110, INFO1105 N SOFT (3301 or 3601 or 3101 or 3801) or COMP (3008 or 3908)	Semester 1
ISYS3401 Analytical Methods & Information Systems	6	A INFO2110, ISYS2140 N ISYS3015	Semester 1
INFO3600 Major Development Project (Advanced)	12	P INFO3402 N COMP3615 or ISYS3400 or SOFT (3300 or 3600 or 3200 or 3700) <i>Only available to students in BIT, BCST(Adv) or BSc(Adv)</i>	Semester 2
ISYS3400 Information Systems Project	6	A INFO2120 P (INFO3402 or ISYS3012) and (ISYS3401 or ISYS3015) N INFO3600 or ISYS3207	Semester 2
INFO3404 Database Systems 2	6	A 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. N INFO (3504 or 3005 or 3905) or COMP (3005 or 3905)	Semester 2
INFO3504 Database Systems 2 (Adv)	6	P Distinction-level result in INFO (2120 or 2820) or COMP (2007 or 2907) N INFO (3404 or 3005 or 3905) or COMP (3005 or 3905)	Semester 2
INFO3315 Human-Computer Interaction	6	A INFO2110 N MULT (3307 or 3607 or 3018 or 3918) or SOFT (3102 or 3802) or COMP (3102 or 3802)	Semester 2
ELEC3610 E-Business Analysis and Design	6	P INFO2120 N EBUS3003 E-Business System Design, EBUS3001 Introduction to e-Commerce Systems	Semester 1
ISYS3554 Information Systems Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ISYS3555 Information Systems Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ISYS3557 Information Systems Exchange	6	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ISYS4301 Information Systems Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
ISYS4302 Information Systems Honours B	12	C ISYS4301	Semester 1 Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ISYS4303 Information Systems Honours C	12	C ISYS4302	Semester 1 Semester 2
ISYS4304 Information Systems Honours D	12	C ISYS4303	Semester 1 Semester 2
International Business (for Bachelor of International and Global Studies Students only refer pg. 142)			
Law			
LAWS1006 Foundations of Law	6	N LAWS1000	Semester 1
LAWS1012 Torts	6	P LAWS1006 N LAWS1005, LAWS1010, LAWS3001 <i>Available to candidates proceeding under the new LLB resolutions.</i>	Semester 1 Semester 2
LAWS1013 Legal Research I		C LAWS1006 N LAWS1008 <i>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.</i>	Semester 1 Semester 2
LAWS1014 Civil and Criminal Procedure	6	P LAWS1006 N LAWS1001, LAWS1007, LAWS3002, LAWS3004 <i>Available to candidates proceeding under the new LLB resolutions.</i>	Semester 1 Semester 1b
LAWS1015 Contracts	6	P LAWS1006 N LAWS1002, LAWS2008 <i>Available to candidates proceeding under the new LLB resolutions.</i>	Semester 1 Semester 1b Summer Late
LAWS1016 Criminal Law	6	P LAWS1006, LAWS1014 N LAWS1003, LAWS3001, LAWS2009 <i>Available to candidates proceeding under the new LLB resolutions.</i>	Semester 2
LAWS1017 Torts and Contracts II	6	P (LAWS1010 or LAWS1012) and LAWS1015 <i>Available to candidates proceeding under the new LLB resolutions.</i>	Semester 2 Semester 2b
LAWS1018 International Law	6	P LAWS1006 N LAWS2005 <i>Available to candidates proceeding under the new LLB resolutions.</i>	Semester 1 Semester 2
LAWS1019 Legal Research II		P LAWS1013 N LAWS1008, LAWS1022 <i>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.</i>	Semester 1 Semester 2
LAWS1021 Public Law	6	P LAWS1006 <i>Available to candidates proceeding under the new LLB resolutions.</i>	S2 Late IntB Semester 2 Summer Late
LAWS2008 Contracts	6	P LAWS1006 N LAWS1002, LAWS1015 <i>Note: Department permission required for enrolment Available to Combined Law candidates proceeding under the old LLB resolutions.</i>	Semester 1
LAWS2009 Criminal Law	6	P LAWS1006 N LAWS1003, LAWS1016 <i>Note: Department permission required for enrolment Available to Combined Law candidates proceeding under the old LLB resolutions.</i>	Semester 2
LAWS3000 Federal Constitutional Law	10	P LAWS1006 N LAWS1004, LAWS2011, LAWS3003 <i>Note: Department permission required for enrolment Available to Combined Law candidates proceeding under the old LLB resolutions. Student attend classes for LAWS2011.</i>	Semester 1
LAWS3002 Law, Lawyers and Justice	10	P LAWS1006 N LAWS1001, LAWS1007, LAWS2013, LAWS3004 <i>Note: Department permission required for enrolment Available to Combined Law candidates proceeding under the old LLB resolutions. Student attend classes for LAWS2013 The Legal Profession.</i>	Semester 2
LAWS3003 Federal Constitutional Law	12	P LAWS1006 N LAWS1004, LAWS2011, LAWS3000 <i>Note: Department permission required for enrolment Available to Combined Law candidates proceeding under the old LLB resolutions. Students will attend classes for LAWS2011.</i>	Semester 1
LAWS3004 Law, Lawyers and Justice	12	P LAWS1006 N LAWS1001, LAWS1007, LAWS2013, LAWS3002 <i>Note: Department permission required for enrolment Available to Combined Law candidates proceeding under the old LLB resolutions. Students attend classes for LAWS2013 The Legal Profession.</i>	Semester 2
Management			
ECON1001 Introductory Microeconomics	6	A Mathematics	Semester 1 Summer Main
ECON1002 Introductory Macroeconomics	6	A Mathematics	Semester 2 Summer Main
ECOS2306 Managerial Firms: Evolution & Attributes	6	P ECON1001, ECON1002 N ECHS2306, ECOS3003, ECON3003	Semester 1
ECOS3003 Hierarchies, Incentives & Firm Structure	6	P Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) N ECON3003	Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
ECOS3005 Industrial Organisation	6	P One of (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901) N ECON3005, ECOS2201	Semester 2 Summer Main
ECOS3008 Labour Economics	6	P 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) N ECON3008	Semester 2
ECOS3012 Strategic Behaviour	6	P Either (ECOS2001 or ECON2001) or (ECOS2901 or ECON2901). N ECON3012 <i>Note: Department permission required for enrolment</i> <i>Departmental permission required for enrolment.</i>	Semester 1
GOVT1202 World Politics	6		Semester 1 Semester 2
GOVT2552 Policy Analysis	6	P Two GOVT1000 level units of study N GOVT2502 <i>This unit is available as a designated 'Advanced' unit for students who are already enrolled in the BA (Advanced) degree program.</i>	Semester 2
WORK1003 Foundations of Work and Employment	6	<i>This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.</i>	Semester 1 Semester 2
WORK2205 Human Resource Processes	6	P 24 credit points of junior units of study including WORK1003 (or WORK1002 or IREL1002) N IREL2005, WORK2005 <i>This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.</i>	Semester 1
WORK2209 Organisational Analysis and Behaviour	6	P 40 credit points worth of units of study N IREL2009, WORK2009	Semester 1
WORK2210 Strategic Management	6	P 40 credit points worth of units of study N IREL2010, WORK2010	Semester 2
WORK2211 Human Resource Strategies	6	P 40 credit points of units of study including WORK1003 (or WORK1002 or IREL1002) N IREL2011, WORK2011	Semester 2
WORK2217 International Human Resource Management	6	P 40 credit points worth of units of study including either (WORK1003 or WORK1001 or IREL1001) OR (IBUS2101 or IBUS2001) N WORK2017	Semester 2
WORK2218 People and Organisations	6	P 24 junior credit points	Semester 1 Semester 2
WORK2219 Management and Organisational Ethics	6	P 40 credit points worth of units of study	Semester 2
WORK2221 Organisational Communication	6	P 40 credit points worth of units of study	Semester 2
Mathematics			
MATH1001 Differential Calculus	3	A HSC Mathematics Extension 1 N MATH1011, MATH1901, MATH1906, MATH1111	Semester 1 Summer Main
MATH1002 Linear Algebra	3	A HSC Mathematics Extension 1 N MATH1902, MATH1012, MATH1014	Semester 1 Summer Main
MATH1003 Integral Calculus and Modelling	3	A HSC Mathematics Extension 2 or MATH1001 or MATH1111 N MATH1013, MATH1903, MATH1907	Semester 2 Summer Main
MATH1004 Discrete Mathematics	3	A HSC Mathematics Extension 1 N MATH1904, MATH2011	Semester 2
MATH1005 Statistics	3	A HSC Mathematics N MATH1015, MATH1905, STAT1021, STAT1022, ECMT1010	Semester 2 Summer Main
MATH1011 Life Sciences Calculus	3	A HSC Mathematics N MATH1111, MATH1001, MATH1901, MATH1906, BIOM1003	Semester 1 Summer Main
MATH1013 Differential and Difference Equations	3	A HSC Mathematics or MATH1111 N MATH1003, MATH1903, MATH1907	Semester 2 Summer Main
MATH1014 Introduction to Linear Algebra	3	A HSC Mathematics or MATH1111 N MATH1012, MATH1002, MATH1902	Semester 2
MATH1015 Biostatistics	3	A HSC Mathematics N MATH1005, MATH1905, STAT1021, STAT1022, ECMT1010, BIOM1003	Semester 1
MATH1111 Introduction to Calculus	6	A At least Year 10 Mathematics N MATH1001, MATH1901, MATH1011, MATH1906 <i>Note: Department permission required for enrolment</i> <i>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.</i>	Semester 1
MATH1901 Differential Calculus (Advanced)	3	A HSC Mathematics Extension 2 P 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. N MATH1111, MATH1011, MATH1001, MATH1906	Semester 1
MATH1902 Linear Algebra (Advanced)	3	A HSC Mathematics Extension 2 P 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. N MATH1002, MATH1012, MATH1014	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MATH1903 Integral Calculus and Modelling Advanced	3	A HSC Mathematics Extension 2 or Credit or better in MATH1001 or MATH1901 P 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. N MATH1003, MATH1013, MATH1907	Semester 2
MATH1905 Statistics (Advanced)	3	A HSC Mathematics Extension 2 P 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. N MATH1015, MATH1005, STAT1021, STAT1022, ECMT1010	Semester 2
MATH1906 Mathematics (Special Studies Program) A	3	P UAI of at least 98.5 and result in Band E4 HSC Mathematics Extension 2; by invitation N MATH1111, MATH1001, MATH1011, MATH1901 <i>Note: Department permission required for enrolment</i>	Semester 1
MATH1907 Mathematics (Special Studies Program) B	3	P Distinction in MATH1906; by invitation N MATH1003, MATH1013, MATH1903 <i>Note: Department permission required for enrolment</i>	Semester 2
MATH2061 Linear Mathematics and Vector Calculus	6	P MATH (1111 or 1001 or 1901 or 1906) and MATH (1014 or 1002 or 1902) and MATH (1003 or 1903 or 1907) N MATH2001, MATH2901, MATH2002, MATH2902, MATH2961, MATH2067	Semester 1 Summer Main
MATH2063 Math Computing and Nonlinear Systems	6	P MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907) N MATH2003, MATH903, MATH2006, MATH2906, MATH2963	Semester 1
MATH2065 Partial Differential Equations (Intro)	6	P MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) and MATH (1003 or 1903 or 1907) N MATH2005, MATH2905, MATH2965, MATH2067	Semester 2
MATH2068 Number Theory and Cryptography	6	A MATH (1014 or 1002 or 1902) P 6 credit points of Junior level Mathematics N MATH3024, MATH3009, MATH2988	Semester 2
MATH2069 Discrete Mathematics and Graph Theory	6	P 6 credit points of Junior level Mathematics N MATH2011, MATH2009, MATH2969	Semester 1
MATH2070 Optimisation and Financial Mathematics	6	A MATH (1003 or 1903 or 1907) P MATH (1001 or 1901 or 1906) and MATH (1002 or 1902) N MATH2010, MATH2033, MATH2933, MATH2970, ECMT3510 <i>Students may enrol in both MATH2070 and MATH3075 in the same semester</i>	Semester 2
MATH2916 Working Seminar A (SSP)	3	P By invitation, High Distinction average over 12 credit points of Advanced Junior Mathematics <i>Note: Department permission required for enrolment</i>	Semester 1
MATH2917 Working Seminar B (SSP)	3	P By invitation, High Distinction average over 12 credit points of Advanced Junior Mathematics <i>Note: Department permission required for enrolment</i>	Semester 2
MATH2961 Linear Mathematics & Vector Calculus Adv	6	P MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003) N MATH2001, MATH2901, MATH2002, MATH2902, MATH2061, MATH2067	Semester 1
MATH2962 Real and Complex Analysis (Advanced)	6	P MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003) N MATH2007, MATH2907	Semester 1
MATH2963 Math Computing & Nonlinear Systems (Adv)	6	P MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) and MATH (1903 or 1907 or Credit in 1003) N MATH2003, MATH2903, MATH2006, MATH2906, MATH2063	Semester 1
MATH2965 Partial Differential Equations Intro Adv	6	P MATH (2961 or Credit in 2061) or (MATH (2901 or Credit in 2001) and MATH (2902 or Credit in 2002)) N MATH2005, MATH 2905, MATH2065, MATH2067	Semester 2
MATH2968 Algebra (Advanced)	6	P 9 credit points of Junior Mathematics (advanced level or Credit at normal level) including (MATH1902 or Credit in MATH1002) N MATH2908, MATH2918, MATH2008	Semester 2
MATH2969 Discrete Mathematics & Graph Theory Adv	6	P 9 credit points of Junior Mathematics (advanced level or Credit at the normal level) N MATH2011, MATH2009, MATH2069	Semester 1
MATH2970 Optimisation & Financial Mathematics Adv	6	A MATH (1903 or 1907) or Credit in MATH1003 P MATH (1901 or 1906 or Credit in 1001) and MATH (1902 or Credit in 1002) N MATH2010, MATH2033, MATH2933, MATH2070 <i>Students may enrol in both MATH2970 and MATH3975 in the same semester</i>	Semester 2
MATH3061 Geometry and Topology	6	P 12 credit points of Intermediate Mathematics N MATH3001, MATH3006	Semester 2
MATH3062 Algebra and Number Theory	6	P 12 credit points of Intermediate Mathematics N MATH3962, MATH3902, MATH3002, MATH3009 <i>Students are advised to take MATH(2068 or 2968) before attempting this unit.</i>	Semester 1
MATH3063 Differential Equations & Biomaths	6	A MATH2061 P 12 credit points of Intermediate Mathematics N MATH3020, MATH3920, MATH3003, MATH3923, MATH3963	Semester 1
MATH3065 Logic and Foundations	6	P 6 credit points of Intermediate Mathematics N MATH3005	Semester 1
MATH3067 Information and Coding Theory <i>This unit of study is not available in 2009</i>	6	P 12 credit points of Intermediate Mathematics N MATH3007, MATH3010	Semester 2
MATH3068 Analysis	6	P 12 credit points of Intermediate Mathematics N MATH3008, MATH2007, MATH2907, MATH2962	Semester 2
MATH3075 Financial Mathematics	6	P 12 credit points of Intermediate Mathematics N MATH3975, MATH 3015, MATH3933	Semester 2
MATH3076 Mathematical Computing	6	P 12 credit points of Intermediate Mathematics and one of MATH(1001 or 1003 or 1901 or 1903 or 1906 or 1907) N MATH3976, MATH3016, MATH3916	Semester 1

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MATH3078 PDEs and Waves	6	A MATH(2061/2961) and MATH(2065/2965) P 12 credit points of Intermediate Mathematics N MATH3978, MATH3018, MATH3921	Semester 2
MATH3961 Metric Spaces (Advanced)	6	A MATH2961 or MATH2962 P 12 credit points of Intermediate Mathematics units N MATH3901, MATH3001	Semester 1
MATH3962 Rings, Fields and Galois Theory (Adv)	6	A MATH2961 P 12 credit points of Intermediate Mathematics N MATH3062, MATH3902, MATH3002 <i>Students are advised to take MATH2968 before attempting this unit.</i>	Semester 1
MATH3963 Differential Equations & Biomaths (Adv)	6	A MATH2961 P 12 credit points of Intermediate Mathematics N MATH3020, MATH3920, MATH3003, MATH3923, MATH3063	Semester 1
MATH3964 Complex Analysis with Applications (Adv) <i>This unit of study is not available in 2009</i>	6	A MATH2962 P 12 credit points of Intermediate Mathematics N MATH3904, MATH3915	Semester 2
MATH3966 Modules and Group Representations (Adv)	6	A MATH3962 P 12 credit points of Intermediate Mathematics N MATH3906, MATH3907	Semester 2
MATH3969 Measure Theory & Fourier Analysis (Adv)	6	A At least 6 credit points of Advanced Mathematics units of study at Intermediate or Senior level P 12 credit points Intermediate Mathematics N MATH3909	Semester 2
MATH3974 Fluid Dynamics (Advanced)	6	A MATH2961, MATH2965 P 12 credit points of Intermediate Mathematics with average grade of at least Credit N MATH3914	Semester 2
MATH3975 Financial Mathematics (Advanced)	6	P 12 credit points of Intermediate Mathematics with at least Credit average N MATH3933, MATH3015, MATH3075	Semester 2
MATH3976 Mathematical Computing (Advanced)	6	P 12 credit points of Intermediate Mathematics and one of MATH(1903 or 1907) or Credit in MATH1003 N MATH3076, MATH3016, MATH3916	Semester 1
MATH3977 Lagrangian & Hamiltonian Dynamics (Adv)	6	P 12 credit points of Intermediate Mathematics with at least Credit average N MATH2904, MATH2004, MATH3917	Semester 1
MATH3978 PDEs and Waves (Advanced)	6	A MATH(2061/2961) and MATH(2065/2965) P 12 credit points of Intermediate Mathematics with at least Credit average N MATH3078, MATH3018, MATH3921	Semester 2
MATH4301 Pure Mathematics Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MATH4302 Pure Mathematics Honours B	12	C MATH4301	Semester 1 Semester 2
MATH4303 Pure Mathematics Honours C	12	C MATH4302	Semester 1 Semester 2
MATH4304 Pure Mathematics Honours D	12	C MATH4303	Semester 1 Semester 2
MATH4401 Applied Mathematics Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
MATH4402 Applied Mathematics Honours B	12	C MATH4401	Semester 1 Semester 2
MATH4403 Applied Mathematics Honours C	12	C MATH4402	Semester 1 Semester 2
MATH4404 Applied Mathematics Honours D	12	C MATH4403	Semester 1 Semester 2
Medicine (for BA(Adv)/(Hons)/MBBS students only)			
SMTP1000 Communicating Effectively in Teams		<i>Note: Department permission required for enrolment</i>	Semester 1
SMTP2000 Introduction to Clinical Research Ethics		<i>Note: Department permission required for enrolment</i>	Semester 2
SMTP3000 Introduction to Medical Ethics <i>This unit of study is not available in 2009</i>		<i>Note: Department permission required for enrolment</i>	S2 Late Int Semester 1 Semester 2
SMTP3007 SMTP Elective I			S1 Late Int S2 Late Int
SMTP3008 SMTP Elective II <i>This unit of study is not available in 2009</i>		<i>Note: Department permission required for enrolment</i>	S2 Late Int Semester 1 Semester 2
Microbiology			
MICR2021 Microbial Life	6	P 6cp of Junior Biology and (6cp of MBLG (1001 or 1901) or MBLG2901 or PLNT2001 or PLNT2901) and 6cp of Junior Chemistry N MICR2921, MICR2024, MICR2001, MICR2901, MICR2003, MICR2007, MICR2011, MICR2909 <i>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).</i>	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MICR2022 Microbes in Society	6	A MICR (2021 or 2921 or 2024 or 2026) P 6 of Junior Biology and (6 of MBLG (1001 or 1901) or PLNT2001 or PLNT2911) and 6 of Junior Chemistry N MICR2922, MICR2002, MICR2902, MICR2004, MICR2008, MICR2012, MICR2909 <i>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).</i>	Semester 2
MICR2024 Microbes in the Environment	6	P 30 credit points of Junior Science or Faculty of Agriculture, Food and Natural Resource units including 6 credit points of Junior Biology. N MICR2021, MICR2921, MICR2001, MICR2901, MICR2003, MICR2007, MICR2011, MICR2909 <i>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).</i>	Semester 2
MICR2551 Microbiology Exchange	4	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
MICR2552 Microbiology Exchange	8	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
MICR2553 Microbiology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
MICR2554 Microbiology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
MICR2921 Microbial Life (Advanced)	6	P (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. N MICR2021, MICR2024, MICR2001, MICR2901, MICR2003, MICR2007, MICR2011, MICR2909 <i>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).</i>	Semester 1
MICR2922 Microbes in Society (Advanced)	6	A MICR (2021 or 2921 or 2024 or 2026) P 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 N MICR2022, MICR2002, MICR2902, MICR2004, MICR2008, MICR2012, MICR2909 <i>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).</i>	Semester 2
MICR3011 Microbes in Infection	6	P 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). N MICR3911, MICR3001, MICR3901	Semester 1
MICR3012 Molecular Biology of Pathogens	6	P 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. N MICR3912, MICR3002, MICR3902, MICR3003, MICR3903, MICR3004, MICR3904	Semester 2
MICR3022 Microbial Biotechnology	6	P 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. N MICR3922, MICR3002, MICR3902	Semester 2

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MICR3551 Microbiology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
MICR3552 Microbiology Exchange	12	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
MICR3553 Microbiology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
MICR3554 Microbiology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
MICR3555 Microbiology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
MICR3911 Microbes in Infection (Advanced)	6	P 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. N MICR3011, MICR3001, MICR3901	Semester 1
MICR3912 Molecular Biology of Pathogens (Adv)	6	P 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. N MICR3012, MICR3002, MICR3902, MICR3003, MICR3903, MICR3004, MICR3904	Semester 2
MICR3922 Microbial Biotechnology (Advanced)	6	P 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. N MICR3022, MICR3002, MICR3902	Semester 2
VIRO3001 Virology	6	A MICR (2021 or 2921 or 2022 or 2922) P 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. N VIRO3901 <i>Students are very strongly advised to complete VIRO (3001 or 3901) before enrolling in VIRO3002 Medical and Applied Virology in Session 2.</i>	Semester 1
VIRO3002 Medical and Applied Virology	6	A Intermediate microbiology, immunology, molecular biology and genetics. P 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. <i>Students are very strongly recommended to complete VIRO(3001 or 3901) before enrolling in VIRO3002 Medical and Applied Virology in Semester 2.</i>	Semester 2
VIRO3901 Virology (Advanced)	6	A MICR (2021 or 2921 or 2022 or 2922) P 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. N VIRO3001 <i>Students are very strongly advised to complete VIRO (3001 or 3901) before enrolling in VIRO3002 Medical and Applied Virology in Session 2.</i>	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MICR4011 Microbiology Honours A	12	<i>Note: Department permission required for enrolment</i> 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.	Semester 1 Semester 2
MICR4012 Microbiology Honours B	12	P Department permission required for enrolment C MICR4011 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.	Semester 1 Semester 2
MICR4013 Microbiology Honours C	12	C MICR4012 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.	Semester 1 Semester 2
MICR4014 Microbiology Honours D	12	C MICR4013 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.	Semester 1 Semester 2
Physics			
COSC1001 Computational Science in Matlab	3	A HSC Mathematics N COSC1901	Semester 2
COSC1002 Computational Science in C	3	A HSC Mathematics N COSC1902	Semester 2
COSC1901 Computational Science in Matlab (Adv)	3	A HSC Mathematics P UAI of at least 90, or COSC1902, or a distinction or better in COSC1002, SOFT (1001, 1002, 1901 or 1902). N COSC1001	Semester 2
COSC1902 Computational Science in C (Adv)	3	A HSC Mathematics P UAI of at least 90, or COSC1901, or a distinction or better in COSC1001, SOFT (1001, 1002, 1901 or 1902). N COSC1002	Semester 2
COSC3011 Scientific Computing	6	A Programming experience in MATLAB P 12 credit points chosen from Junior Mathematics and Statistics, 12 credit points of Intermediate units in Science subject areas. N COSC3911, COSC3001, COSC3901, PHYS3301, PHYS3901	Semester 2
COSC3911 Scientific Computing (Advanced)	6	A Programming experience in MATLAB P 12 credit points chosen from Junior Mathematics and Statistics, 12 credit points of Intermediate units in Science subject areas with a credit average. N COSC3011, COSC3001, COSC3901, PHYS3301, PHYS3901	Semester 2
PHYS1001 Physics 1 (Regular)	6	A HSC Physics C Recommended concurrent Units of Study: MATH (1001/1901, 1002/1902) N PHYS1002, PHYS1901	Semester 1
PHYS1002 Physics 1 (Fundamentals)	6	A No assumed knowledge of Physics C Recommended concurrent Units of Study: MATH (1001/1901, 1002/1902) N PHYS1001, PHYS1901	Semester 1
PHYS1003 Physics 1 (Technological)	6	A HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. C Recommended concurrent Units of Study: MATH (1003/1903), MATH (1005/1905). N PHYS1004, PHYS1902 <i>It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit</i>	Semester 2
PHYS1004 Physics 1 (Environmental & Life Science)	6	A HSC Physics or PHYS (1001 or 1002 or 1901) or equivalent. C Recommended concurrent Units of Study: MATH (1003/1903), MATH (1005/1905). N PHYS1003, PHYS1902 <i>It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit</i>	Semester 2
PHYS1500 Astronomy	6	A No assumed knowledge of Physics.	Semester 2
PHYS1901 Physics 1A (Advanced)	6	P 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. C Recommended concurrent Units of Study: MATH (1001/1901,1002/1902). N PHYS1001, PHYS1002	Semester 1
PHYS1902 Physics 1B (Advanced)	6	P 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. C Recommended concurrent unit of study: MATH (1003/1903), MATH (1005/1905). N PHYS1003, PHYS1004 <i>It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit</i>	Semester 2
PHYS2011 Physics 2A	6	A MATH (1001/1901 and 1002/1902 and 1003/1903). MATH (1005/1905) would also be useful P 12 credit points of Junior Physics (excluding PHYS1500) N PHYS2001, PHYS2901, PHYS2911, PHYS2101, PHYS2103, PHYS2213, PHYS2203	Semester 1
PHYS2012 Physics 2B	6	A MATH (1001/1901 and 1002/1902 and 1003/1903). MATH (1005/1905) would also be useful P PHYS (1003 or 1004 or 1902) and PHYS (1001 or 1002 or 1901 or 2001 or 2901 or 2011 or 2911) N PHYS2102, PHYS2104, PHYS2902, PHYS2002, PHYS2912, PHYS2213, PHYS2203	Semester 2
PHYS2013 Astrophysics and Relativity	6	A MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful P PHYS (1003 or 1004 or 1902) and PHYS (1001 or 1002 or 1901 or 2011 or 2911) C PHYS (2012 or 2912) N PHYS2001, PHYS2901, PHYS2913, PHYS2101, PHYS2103	Semester 2
PHYS2911 Physics 2A (Advanced)	6	A MATH (1901/1001 and 1902/1002 and 1903/1003). MATH (1905/1005) would also be useful P Credit or better in PHYS (1901 or 1001 or 1002) and Credit or better in PHYS (1902 or 1003 or 1004). N PHYS2901, PHYS2001, PHYS2011, PHYS2101, PHYS2103, PHYS2213, PHYS2203	Semester 1

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PHYS2912 Physics 2B (Advanced)	6	A MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful P 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). N PHYS2102, PHYS2104, PHYS2902, PHYS2002, PHYS2012, PHYS2213, PHYS2203	Semester 2
PHYS2913 Astrophysics and Relativity (Advanced)	6	A MATH (1001/1901 and 1002/1902 and 1003/1903). MATH 1005/1905 would also be useful. P 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) C PHYS (2912 or 2012). N PHYS2001, PHYS2901, PHYS2013, PHYS2101, PHYS2103	Semester 2
PHYS3015 Topics in Senior Physics A	6	A 6 credit points of Intermediate Mathematics P 12 credit points of Intermediate Physics <i>Note: Department permission required for enrolment</i>	Semester 1
PHYS3025 Topics in Senior Physics B	6	A 6 credit points of Intermediate Mathematics P 12 credit points of Intermediate Physics <i>Note: Department permission required for enrolment</i>	Semester 2
PHYS3040 Electromagnetism & Physics Lab	6	P PHYS(2011 or 2911 or 2001 or 2901), PHYS(2012 or 2912 or 2002 or 2902), MATH(2061 or 2961 or 2067) N PHYS3940, PHYS3941, PHYS3011, PHYS3014, PHYS3016, PHYS3017, PHYS3911, PHYS3914, PHYS3916, PHYS3917	Semester 1
PHYS3051 Thermodynamics/Biol. Physics & Lab	6	P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) N PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3059, PHYS3959	Semester 1
PHYS3052 Nanoscience/Thermodynamics & Lab	6	P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) N PHYS3952, PHYS3050, PHYS3051, PHYS3053, PHYS3056, PHYS3950, PHYS3951, PHYS3953, PHYS3956, PHYS3013, PHYS3021, PHYS3913, PHYS3921, PHYS3057, PHYS3957, PHYS3058, PHYS3958	Semester 1
PHYS3054 Nanoscience/Plasma Physics & Physics Lab	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) N 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	Semester 1
PHYS3055 Nanoscience/Plasma/Thermodynamics	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) N 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	Semester 1
PHYS3057 Nanoscience/Thermodynamic/Biol.Phys	6	P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) N PHYS3957, PHYS3050, PHYS3950, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3059, PHYS3959	Semester 1
PHYS3059 Plasma/Thermodynamics/Biol. Physics	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) N 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	Semester 1
PHYS3060 Quantum Mechanics & Physics Lab	6	P PHYS(2011 or 2911 or 2001 or 2901); PHYS(2012 or 2912 or 2002 or 2902); MATH(2061 or 2961 or 2067) N PHYS3960, PHYS3961, PHYS3011, PHYS3024, PHYS3026, PHYS3027, PHYS3911, PHYS3924, PHYS3926, PHYS3927	Semester 2
PHYS3062 Quantum/Cond Matter Physics & Lab	6	P PHYS2012 or PHYS2912 N PHYS3060, PHYS3960, PHYS3961, PHYS3962, PHYS3068, PHYS3968, PHYS3070, PHYS3970, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981	Semester 2
PHYS3068 Optics/Cond. Matter & Lab	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902) N 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	Semester 2
PHYS3069 Optics/High Energy Physics & Lab	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) N 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	Semester 2
PHYS3071 High Energy/Astrophysics & Lab	6	P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) N 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	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PHYS3074 High Energy/Cond. Matter Physics & Lab	6	A Quantum Mechanics at Senior Physics level; MATH (2061 or 2961) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) N 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	Semester 2
PHYS3079 Cond. Matter/High Energy/Astrophysics	6	A Quantum Mechanics at Senior Physics level; MATH (2061 or 2961) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) N 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	Semester 2
PHYS3080 Optics/Cond.Matter/High Energy Physics	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) N PHYS3980, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, 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, PHYS3081, PHYS3981, PHYS3082, PHYS3982	Semester 2
PHYS3081 Optics/Cond. Matter/Astrophysics	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) N PHYS3981, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, 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, PHYS3082, PHYS3982	Semester 2
PHYS3082 Optics/High Energy/Astrophysics	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901); PHYS (2012 or 2912 or 2002 or 2902); PHYS (2013 or 2913 or 2001 or 2901) N 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	Semester 2
PHYS3915 Topics in Senior Physics A (Advanced)	6	A 6 credit points of Intermediate Mathematics P 12 credit points of Intermediate Physics. <i>Note: Department permission required for enrolment</i>	Semester 1
PHYS3925 Topics in Senior Physics B (Advanced)	6	P 12 credit points of Intermediate Physics with a Credit average and 6 credit points of Intermediate Mathematics. <i>Note: Department permission required for enrolment</i>	Semester 2
PHYS3940 Electromagnetism & Physics Lab (Adv)	6	P 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) N PHYS3040, PHYS3941, PHYS3011, PHYS3014, PHYS3016, PHYS3017, PHYS3911, PHYS3914, PHYS3916, PHYS3917	Semester 1
PHYS3941 Electromagnetism & Special Project (Adv)	6	P 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) N PHYS3040, PHYS3940, PHYS3961, PHYS3961, PHYS3011, PHYS3911, PHYS3918, PHYS3928 <i>Note: Department permission required for enrolment</i> <i>Approval for this unit must be obtained from the School of Physics Senior Coordinator.</i>	Semester 1
PHYS3951 Thermodynamics/Biol. Physics & Lab (Adv)	6	P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit N PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3057, PHYS3957, PHYS3058, PHYS3958, PHYS3059, PHYS3959, PHYS3959	Semester 1
PHYS3952 Nanoscience/Thermodynamics & Lab (Adv)	6	P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit N PHYS3052, PHYS3050, PHYS3051, PHYS3053, PHYS3056, PHYS3950, PHYS3951, PHYS3953, PHYS3956, PHYS3013, PHYS3021, PHYS3913, PHYS3921, PHYS3057, PHYS3957, PHYS3058, PHYS3958	Semester 1
PHYS3954 Nanoscience/Plasma Physics & Lab (Adv)	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit N 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	Semester 1
PHYS3955 Nanoscience/Plasma/Thermodynamics (Adv)	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit N 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	Semester 1
PHYS3957 Nanoscience/Thermodynamic/Biol.Phys(Adv)	6	P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit N PHYS3057, PHYS3050, PHYS3950, PHYS3051, PHYS3951, PHYS3052, PHYS3952, PHYS3053, PHYS3953, PHYS3054, PHYS3954, PHYS3055, PHYS3955, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3059, PHYS3959	Semester 1

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PHYS3959 Plasma/Thermodynamics/Biol.Physics (Adv)	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit N 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	Semester 1
PHYS3960 Quantum Mechanics & Physics Lab (Adv)	6	P 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) N PHYS3060, PHYS3961, PHYS3011, PHYS3024, PHYS3026, PHYS3027, PHYS3911, PHYS3924, PHYS3926, PHYS3927	Semester 2
PHYS3961 Quantum Mechanics & Special Project(Adv)	6	P 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) N PHYS3060, PHYS3960, PHYS3941, PHYS3941, PHYS3011, PHYS3911, PHYS3918, PHYS3928 <i>Note: Department permission required for enrolment</i> <i>Approval for this unit must be obtained from the School of Physics Senior Coordinator</i>	Semester 2
PHYS3962 Quantum/Cond Matter Physics & Lab (Adv)	6	P PHYS2012 or PHYS2912 with result of credit or better N PHYS3060, PHYS3960, PHYS3961, PHYS3062, PHYS3068, PHYS3968, PHYS3070, PHYS3970, PHYS3074, PHYS3974, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981	Semester 2
PHYS3968 Optics/Cond. Matter & Lab (Adv)	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2011 or 2911 or 2001 or 2901) with at least Credit; PHYS (2012 or 2912 or 2002 or 2902) with at least Credit N 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	Semester 2
PHYS3969 Optics/High Energy Physics & Lab (Adv)	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P 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 N PHYS3069, PHYS3050, PHYS3950, PHYS3053, PHYS3953, PHYS3056, PHYS3956, PHYS3058, PHYS3958, PHYS3068, PHYS3968, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3074, PHYS3974, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982	Semester 2
PHYS3971 High Energy/Astrophysics & Lab (Adv)	6	P 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 N 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	Semester 2
PHYS3974 High Energy/Cond. Matter Phys.& Lab(Adv)	6	A Quantum Mechanics at Senior Physics level; MATH (2061 or 2961) P 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 N PHYS3074, PHYS3062, PHYS3962, PHYS3068, PHYS3968, PHYS3069, PHYS3969, PHYS3070, PHYS3970, PHYS3071, PHYS3971, PHYS3073, PHYS3973, PHYS3075, PHYS3975, PHYS3076, PHYS3976, PHYS3077, PHYS3977, PHYS3079, PHYS3979, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982	Semester 2
PHYS3979 Cond. Matter/High Energy/Astrophys (Adv)	6	A Quantum Mechanics at Senior Physics level; MATH (2061 or 2961) P 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 N 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	Semester 2
PHYS3980 Optics/Cond.Matter/High Energy Phys(Adv)	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) P 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 N 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	Semester 2
PHYS3981 Optics/Cond. Matter/Astrophysics (Adv)	6	A Electromagnetism and Quantum Mechanics at Senior Physics level; MATH (2061 or 2961 or 2067) P PHYS (2012 or 2912 or 2002 or 2902) with at least Credit; PHYS (2013 or 2913 or 2001 or 2901) with at least Credit N 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, PHYS3081, PHYS3981, PHYS3082, PHYS3982	Semester 2
PHYS3982 Optics/High Energy/Astrophysics (Adv)	6	A Electromagnetism at Senior Physics level; MATH (2061 or 2961 or 2067) P 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 N 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	Semester 2

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PHYS4011 Physics Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PHYS4012 Physics Honours B	12	C PHYS4011	Semester 1 Semester 2
PHYS4013 Physics Honours C	12	C PHYS4012	Semester 1 Semester 2
PHYS4014 Physics Honours D	12	C PHYS4013	Semester 1 Semester 2
Plant Science			
BIOL3009 Terrestrial Field Ecology	6	A BIOL (3006 or 3906). Prior completion of one of these units is very strongly recommended. P 12 credit points of Intermediate Biology or ANSC2004 and BIOM2001. N BIOL3909 <i>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.</i>	S2 Intensive
BIOL3017 Fungi in the Environment	6	P 12 credit points of Intermediate Biology, or 6 credit points of Intermediate Biology and 6 Intermediate credit points of either Microbiology or Geography. N BIOL3917 <i>Dates: 16-27 February 2009. The completion of 6 credit points of MBLG units is highly recommended.</i>	S1 Intensive
BIOL3909 Terrestrial Field Ecology (Advanced)	6	A BIOL (3006 or 3906). Prior completion of one of these units is very strongly recommended. P Distinction average in 12 credit points of Intermediate Biology or ANSC2004 and BIOM2001 N BIOL3009. <i>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.</i>	S2 Intensive
BIOL3917 Fungi in the Environment (Advanced)	6	P 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. N BIOL3017 <i>The completion of 6 credit points of MBLG units is highly recommended.</i>	S1 Intensive
PLNT2001 Plant Biochemistry and Molecular Biology	6	P 12 credit points of Junior Chemistry and 12 credit points of Junior Biology (or with the Dean's permission BIOL1201 and BIOL1202) N PLNT2901, AGCH2001	Semester 1
PLNT2002 Aust Flora: Ecology and Conservation	6	P 6 credit points of a Junior unit of study N PLNT2902	Semester 1
PLNT2003 Plant Form and Function	6	A 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) N PLNT2903, BIOL2003, BIOL2903, CROP2001	Semester 2
PLNT2901 Plant Biochem & Molecular Biology (Adv)	6	P 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) N PLNT2001, AGCH2001	Semester 1
PLNT2902 Aust Flora: Ecology & Conservation (Adv)	6	A 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 P Distinction average in 6 credit points of Junior units of study N PLNT2002	Semester 1
PLNT2903 Plant Form and Function (Advanced)	6	A 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) N PLNT2003, BIOL2003, BIOL2903, CROP2001	Semester 2
PLNT3001 Plant, Cell and Environment	6	P 12 credit points of Intermediate Biology, Plant Science, Molecular Biology and Genetics or equivalent N PLNT3901	Semester 2
PLNT3901 Plant, Cell and Environment (Advanced)	6	P 12 credit points of Intermediate Biology, Plant Science, Molecular Biology and Genetics or equivalent with average grade of distinction N PLNT3001 <i>Note: Department permission required for enrolment</i>	Semester 2
Psychology			
PSYC1001 Psychology 1001	6		Semester 1 Summer Main
PSYC1002 Psychology 1002	6		Semester 2 Summer Main
PSYC1551 Psychology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
PSYC1552 Psychology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PSYC2011 Brain and Behaviour	6	P PSYC (1001 and 1002). N PSYC2111	Semester 1
PSYC2012 Statistics & Research Methods for Psych	6	A Recommended: HSC Mathematics, any level P PSYC (1001 and 1002). N PSYC2112	Semester 1
PSYC2013 Cognitive and Social Psychology	6	P PSYC (1001 and 1002). N PSYC2113	Semester 2
PSYC2014 Personality and Differential Psychology	6	P PSYC (1001 and 1002) N PSYC2114	Semester 2
PSYC2551 Psychology Exchange	4	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
PSYC2552 Psychology Exchange	4	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
PSYC2553 Psychology Exchange	4	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
PSYC2554 Psychology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
PSYC2555 Psychology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
PSYC2556 Psychology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
PSYC2557 Psychology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
PSYC3010 Advanced Statistics for Psychology	6	P 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). N PSYC3201	Semester 2
PSYC3011 Learning and Behaviour	6	A PSYC (2012 or 2112) P 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). N PSYC3209	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PSYC3012 Cognition, Language and Thought	6	A PSYC (2012 or 2112) P 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). N PSYC3205	Semester 1
PSYC3013 Perceptual Systems	6	A PSYC2012 P 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 N PSYC3210	Semester 2
PSYC3014 Behavioural and Cognitive Neuroscience	6	A PSYC (2113 or 2013) P (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) N PSYC3204, PSYC3215	Semester 2
PSYC3015 Intelligence and Differential Psychology	6	A PSYC(2012 or 2112); PSYC(2013 or 2113) P PSYC(2014 or 2114) and PSYC(2011 or 2111 or 2012 or 2112 or 2013 or 2113)	Semester 1
PSYC3016 Developmental Psychology	6	P 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). N PSYC3206	Semester 1
PSYC3017 Social Psychology	6	A PSYC (2012 or 2112). P 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). N PSYC3212	Semester 1
PSYC3018 Abnormal Psychology	6	A PSYC2012 P 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). N PSYC3203	Semester 2
PSYC3020 Applications of Psychological Science	6	P 12 credit points of junior psychology and 12 credit points in Intermediate Psychology N PSYC3019	Semester 2
PSYC3551 Psychology Exchange	4	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
PSYC3552 Psychology Exchange	4	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
PSYC3553 Psychology Exchange	4	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
PSYC3554 Psychology Exchange	4	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
PSYC3555 Psychology Exchange	4	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
PSYC3556 Psychology Exchange	4	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b

5. Arts units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PSYC3557 Psychology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
PSYC3558 Psychology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
PSYC3559 Psychology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
PSYC3560 Psychology Exchange	6	<i>Note: Department permission required for enrolment Special permission is required for this unit of study.</i>	S1 Intensive S1 Late Int S2 Intensive S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
PSYC4011 Psychology Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
PSYC4012 Psychology Honours B	12	C PSYC4011	Semester 1 Semester 2
PSYC4013 Psychology Honours C	12	C PSYC4012	Semester 1 Semester 2
PSYC4014 Psychology Honours D	12	C PSYC4013	Semester 1 Semester 2
Psychology for Social Work			
SCWK2004 Psychology for Social Work 201	6	P 48 junior credit points <i>This unit is only available to students enrolled in the Bachelor of Social Work and combined Bachelor of Arts/Bachelor of Social Work degrees.</i>	Semester 1
SCWK2005 Psychology for Social Work 202	6	P 48 junior credit points. <i>This unit is only available to students enrolled in the Bachelor of Social Work and combined Bachelor of Arts/Bachelor of Social Work degrees.</i>	Semester 2
Statistics			
STAT1021 General Statistical Methods 1	6	A HSC General Mathematics N MATH1005, MATH1015, MATH1905, ECMT1010	Semester 1
STAT2011 Statistical Models	6	P MATH (1001 or 1901 or 1906 or 1011) and [MATH (1005 or 1905 or 1015) or STAT1021] N STAT2901, STAT2001, STAT2911	Semester 1
STAT2012 Statistical Tests	6	P MATH (1005 or 1905 or 1015) N STAT2004, STAT2912	Semester 2
STAT2911 Probability and Statistical Models (Adv)	6	P MATH (1903 or 1907 or Credit in 1003) and MATH (1905 or 1904 or Credit in 1005) N STAT2001, STAT2011, STAT2901	Semester 1
STAT2912 Statistical Tests (Advanced)	6	A STAT (2911 or 2901) P MATH1905 or Credit in MATH1005 N STAT2004, STAT2012	Semester 2
STAT3011 Stochastic Processes and Time Series	6	P STAT (2011 or 2911 or 2001 or 2901) and MATH (1003 or 1903 or 1907). N STAT3911, STAT3003, STAT3903, STAT3005, STAT3905	Semester 1
STAT3012 Applied Linear Methods	6	P STAT(2012 or 2912 or 2004) and MATH(1002 or 1014 or 1902). N STAT3912, STAT3002, STAT3902, STAT3004, STAT3904	Semester 1
STAT3013 Statistical Inference	6	P STAT(2012 or 2912 or 2003 or 2903) and STAT (2011 or 2911) N STAT3913, STAT3001, STAT3901	Semester 2
STAT3014 Applied Statistics	6	A STAT(3012 or 3912). P STAT(2012 or 2912 or 2004). N STAT3914, STAT3002, STAT3902, STAT3006	Semester 2
STAT3911 Stochastic Processes and Time Series Adv	6	P (STAT2911 or credit in STAT2011) and MATH(1003 or 1903 or 1907). N STAT3011, STAT3003, STAT3903, STAT3005, STAT3905	Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
STAT3912 Applied Linear Methods Advanced	6	P (STAT2912 or Credit in STAT2004 or Credit in STAT2012) and MATH(2061 or 2961 or 1902). N STAT3012, STAT3002, STAT3902, STAT3004, STAT3904	Semester 1
STAT3913 Statistical Inference Advanced	6	P STAT(2911 or 2903). N STAT3013, STAT3001, STAT3901	Semester 2
STAT3914 Applied Statistics Advanced	6	A STAT3912 P STAT2912 or credit or better in (STAT2004 or STAT2012). N STAT3014, STAT3002, STAT3902, STAT3006, STAT3907	Semester 2
STAT4201 Mathematical Statistics Honours A	12	<i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
STAT4202 Mathematical Statistics Honours B	12	C STAT 4201	Semester 1 Semester 2
STAT4203 Mathematical Statistics Honours C	12	C STAT 4202	Semester 1 Semester 2
STAT4204 Mathematical Statistics Honours D	12	C STAT 4203	Semester 1 Semester 2

6. Economics and Business units of study

1. Accounting (ACCT)

Junior units of study

ACCT1001

Accounting IA

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

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 IB

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

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.

Note: Terminating unit.

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 minimalised. 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.

Note: Terminating unit.

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

Note: Department permission required for enrolment.

Senior units of study

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.

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.

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

Note: Department permission required for enrolment.

ACCT2552

Accounting Exchange

Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.



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.

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.

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

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.

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

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

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:** 2 hrs of lectures/tutorials per week **Prerequisites:** ACCT2012 or ACCT2002 **Assessment:** Continuous assessment; In-class essay; Final examination.

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

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.

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

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.

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

Note: Department permission required for enrolment.

ACCT3552

Accounting Exchange Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

ACCT3553

Accounting Exchange Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

ACCT3554

Accounting Exchange Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

Honours year units of study

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

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

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

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

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

See ACCT4101

2. Business Information Systems (INFS)

Junior units of study

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;

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

Note: Department permission required for enrolment.

Senior units of study

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

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

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

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

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

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

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

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

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

Honours year units of study

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.

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

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

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

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

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.

3. Business Law (CLAW)

Junior units of study

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

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.

CLAW1002
Commercial Transactions B
Economics and Business

This unit of study is not available in 2009

Credit points: 6 **Session:** Semester 2 **Classes:** 2hrs of lectures and 1 tutorial per week **Prerequisites:** CLAW1001 **Assessment:** Final exam, tutorial participation, optional mid semester exam, optional tutorial hand in, optional assignment

Commerce today covers a diverse range of items - from securities to patents and all forms of property in between. An understanding of what the forms of property are and how to gain or sell an interest is essential to everything from tax through marketing to e-commerce. This unit provides a detailed overview of the types of property found in standard commercial transactions and the methods for acquiring or divesting an entity with an interest in that property. The unit focuses on all forms of personal property including intellectual property and real property (land). . Students will gain both an understanding of the transactions and the property as well as analytical skills in assessing and working out problems and case studies to do with commercial property.

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

Note: Department permission required for enrolment.

Senior units of study

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

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.

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

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

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

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

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

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

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.

Honours year units of study

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

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

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

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

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

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.

4. Centre for International Security Studies (CISS)

Senior unit of study

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

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.

5. Economics (ECON and ECOS)**Junior units of study****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

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

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.

ECOS1551**Economics Exchange
Economics and Business**

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

Senior units of study**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

Note: Certain combinations of Maths/Stats may substitute for Econometrics - consult the Chair of the Discipline of Economics.

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

Note: Certain combinations of Maths/Stats may substitute for Econometrics - consult the Chair of the Discipline of Economics.

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

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

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

Note: Department permission required for enrolment.

ECOS2552 **Economics Exchange** **Economics and Business**

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Note: Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.

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

Note: Certain combinations of Maths/Stats may substitute for Econometrics. Consult the Chair of the Discipline of Economics.

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

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

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

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

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

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

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

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.

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

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

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:** ECON3011 **Assessment:** 1 mid semester exam, 1 essay, final exam

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 **Assessment:** 1 mid semester exam, online quizzes, final exam

Note: Department permission required for enrolment.

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

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

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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 **Assessment:** Mid semester exam; final exam

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

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

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

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

Note: This unit is compulsory for students intending to proceed to fourth year honours.

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.

Honours year units of study

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).

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

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

see ECON4101

ECON4103

Economics Honours C Economics and Business

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** 6 hrs per week
Corequisites: ECON4102

see ECON4101

ECON4104

Economics Honours D Economics and Business

Credit points: 12 **Session:** Semester 1, Semester 2 **Classes:** 6 hrs per week
Corequisites: ECON4103

see ECON4101

6. Finance (FINC)

Senior units of study

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

Note: Study in Finance commences in second year.

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

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.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

FINC2552

Finance Exchange Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

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

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

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

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

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

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

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

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

FINC3552

Finance Exchange Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

FINC3553

Finance Exchange Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

FINC3554

Finance Exchange Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

Honours year units of study

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.

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

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

See FINC4101

FINC4103

Finance Honours C Economics and Business

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** FINC4102

See FINC4101

FINC4104

Finance Honours D Economics and Business

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** FINC4103

See FINC4101

7. International Business (IBUS)

Senior units of study

IBUS2101

International Business Strategy Economics and Business

Credit points: 6 **Session:** Semester 1, Semester 2, Summer Main **Classes:** 2 x lectures and 1x 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

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

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

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

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

Note: Students enrolled in the combined Law degrees are able to complete this unit in their third year of enrolment (full-time).

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

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

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.

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

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

Honours year units of study

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.

Note: Department permission required for enrolment.

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.

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.

Note: Department permission required for enrolment.

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.

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.

8. Marketing (MKTG)

Junior units of study

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

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)

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

Note: Department permission required for enrolment.

MKTG1552

Marketing Exchange

Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

Senior units of study

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

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

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

Note: Department permission required for enrolment.

MKTG2552

Marketing Exchange

Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

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

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

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

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

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.

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.

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

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.

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

Note: Department permission required for enrolment.

MKTG3552

Marketing Exchange Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

MKTG3553

Marketing Exchange Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

MKTG3554

Marketing Exchange Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

MKTG3555

Marketing Exchange Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

Honours year units of study

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.

Note: Department permission required for enrolment.

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

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

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.

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.

9. Operations Management and Econometrics (ECMT)

Junior units of study

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.

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

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.

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

Note: Department permission required for enrolment.

Senior units of study

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

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

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

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

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

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

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

Note: Department permission required for enrolment.

ECMT2902

Econometrics Exchange Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

ECMT2903

Econometrics Exchange Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

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

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

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

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

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

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

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

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

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

Note: Department permission required for enrolment.

ECMT3902

Econometrics Exchange Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

ECMT3903

Econometrics Exchange Economics and Business

Credit points: 6 **Session:** S1 Intensive, S1 Late Int, S2 Intensive, S2 Late Int, Semester 1, Semester 2

Note: Department permission required for enrolment.

Honours year units of study

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

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

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

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

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

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

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

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

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

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

See ECMT4601

10. Work and Organisational Studies (WORK)

Junior units of study

**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

Note: This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.

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

Note: Department permission required for enrolment.

**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

Note: Department permission required for enrolment.

Senior units of study

**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

Note: This is the compulsory unit of study for the Management major.

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

Note: This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.

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

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

Note: This is the compulsory unit of study for the Industrial Relations/Human Resource Management major.

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.

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

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

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

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

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/>

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.

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

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

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

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.

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

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

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

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

WORK3921**Theories of Work and Organisations
Economics and Business**

Credit points: 6 **Session:** Semester 1 **Classes:** 3 hrs per week **Prerequisites:** (WORK1003 or WORK1001 or IREL1001) and (WORK1002 or IREL1002) **Prohibitions:** IREL3901, WORK3901 **Assessment:** Please consult the Discipline of Work and Organisational Studies for details

Note: Department permission required for enrolment.

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

Note: Department permission required for enrolment.

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.

Honours year units of study**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

Note: Department permission required for enrolment.

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

See WORK4101

WORK4103**Industrial Relations & HRM Honours C
Economics and Business**

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** WORK4102 **Prohibitions:** IREL4103

See WORK4101

WORK4104**Industrial Relations & HRM Honours D
Economics and Business**

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** WORK4103 **Prohibitions:** IREL4104

See WORK4101

11. Cross-Discipline (Faculty)(ECOF)**Junior units of study****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.

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
Note: Department permission required for enrolment.

Senior units of study

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
Note: Department permission required for enrolment.

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
Note: Department permission required for enrolment.

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

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.

ECOF3551

**Economics/Commerce Exchange
Economics and Business**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

ECOF3552

**Economics/Commerce Exchange
Economics and Business**

Credit points: 6 **Session:** Semester 1, Semester 2
Note: Department permission required for enrolment.

7. Science units of study

This chapter provides information on each of the undergraduate units of study offered by the Faculty of Science, as well as additional information on each of the teaching Schools and Departments and interdisciplinary subject areas.

Organisation of unit of study information

The units of study are generally organised alphabetically by School or Departments. EMHU and HSTO units can be found under the entry for Anatomy and Histology. NEUR can be found in the Anatomy or Physiology entries, depending on the principle teaching department for the individual unit. COMP, INFO, ISYS, NETS, MULT AND SOFT can be found under the Information Technologies entry. Further information on Information Technology units can be found in the Faculty of Engineering and Information Technologies Handbook and website. NTMP can be found under the Marine Science entry. STAT can be found under the Mathematics and Statistics entry. VIRO can be found under the Microbiology entry.

Aerospace, Mechanical and Mechatronic Engineering

The School of Aerospace, Mechanical and Mechatronic Engineering is part of the Faculty of Engineering and Information Technologies. In addition to providing professional training in aerospace, mechanical, biomedical and mechatronic engineering, units of study in the School are available to students in the Faculty of Science who meet any prerequisite requirements for a particular unit.

Registration

Timetable information on alternative lecture/tutorial/laboratory/practical classes is available in the General Office of the School.

Tutorials and laboratories

All students are required to undertake the tutorial and laboratory work associated with the chosen units of study, details of which are provided in the timetables. The experimental and tutorial work, an integral part of the unit of study, complements the lecture material.

Double degree

Science graduates may obtain up to two years advanced standing towards a Bachelor of Engineering degree in Aerospace, Mechanical, Mechatronic or Biomedical Engineering. Students wishing to undertake this option must apply through UAC and compete on the basis of academic merit. Information about application procedures is available from the Engineering Faculty Office in the Engineering and Information Technologies Building.

Agricultural Chemistry and Soil Science

Study in the discipline of Agricultural Chemistry is offered by the Faculty of Agriculture, Food and Natural Resources. Units of study in Agricultural Chemistry for Science students cover aspects of chemistry and biochemistry which are relevant in basic and applied biological sciences including agriculture, the environment and food science. The unit of study, Introductory Rural Environmental Chemistry (AGCH2003) introduces students to basic analytical and environmental chemistry. Senior units of study include Chemistry and Biochemistry of Foods A and B (AGCH3025 and AGCH3026) and Land and Water Ecochemistry (AGCH3032). These senior units of study introduce students to the applied aspects of food chemistry science or to applied environmental chemistry. Emphasis is placed on the chemistry of both naturally occurring molecules of biological, agricultural and

environmental significance (eg in foods and natural fibres), and chemically synthesised (eg insecticides and herbicides). Agricultural Chemistry Honours is available to students who wish to further their studies in food chemistry or environmental chemistry.

AGCH2003

Rural Environmental Chemistry

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.

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.

AGCH3025

Chemistry and Biochemistry of Foods

Credit points: 6 **Teacher/Coordinator:** Dr Meredith Wilkes, Dr Robert Caldwell, Prof Les Copeland, A/Prof Neil Howes **Session:** Semester 1 **Classes:** 3 lec/wk; 21 hrs laboratory **Prerequisites:** 6 credit points of Intermediate units in either Agricultural Chemistry or Chemistry or PLNT2001 or PLNT2901 or BCHM2071 or BCHM2072 **Prohibitions:** AFNR5102 **Assumed knowledge:** 12 credit points of Junior chemistry **Assessment:** One 2 hr theory exam, one 1 hr theory of prac exam, practical reports, lecture quizzes.

This unit of study aims to give students an understanding of the properties, relationship between form and function and fitness for purpose (quality) of food components, and the interactions between these components during storage, processing and digestion.

The unit will develop an understanding of the role of agricultural products as foods. Students will gain an appreciation of the biochemical systems we know as foods and will build upon knowledge gained in intermediate levels of biochemistry.

Students will explore the relationship between chemical composition and structure of macro- and micro-constituents and their function in foods. Students will also develop an analytical approach in understanding of the biochemistry of food formulations, processing and storage stability.

At the completion of this unit, students will be able to describe the chemistry, biochemistry and processing behaviour of major food constituents such as carbohydrates, proteins, lipids, natural fibres and gel-forming polymers. They will also be able to demonstrate an



understanding of the functionality of these constituents and gain experience in laboratory techniques used in industry for the analysis of some of these compounds in actual food products.

Students will gain research and inquiry skills by mastering the key theories and concepts presented in lecture material and practical classes. Students will also gain information literacy and communication skills by using various sources of information for the synthesis of material required for practical reports. At the end of the unit students should also have an enhanced understanding of the role of agriculture in Australian and International food production systems.

Textbooks

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

AGCH3026

Food Biotechnology

Credit points: 6 **Teacher/Coordinator:** Dr Meredith Wilkes, Dr Robert Caldwell, Prof Les Copeland, A/Prof Neil Howes **Session:** Semester 1 **Classes:** 3 lec/wk and 21 hrs laboratory **Prerequisites:** 6 credit points of Intermediate Agricultural Chemistry or PLNT2001 or PLNT2901 or BCHM2071 or BCHM2072 **Corequisites:** AGCH3025 **Prohibitions:** AFNR5103 **Assumed knowledge:** 12 units of Junior chemistry **Assessment:** One 2 hr exam, practical reports, theory of practical exam, oral and written presentation on a case study.

This unit aims to give students an understanding of the biochemistry of processing of raw products used in food manufacture, with special emphasis placed on current issues faced by the food industry.

The unit is designed to build upon intermediate levels of chemistry and biochemistry by developing a deeper understanding of how biochemical molecules contained in raw products affect the processing, manufacture and quality of foods. It complements AGCH3025 by applying the knowledge gained in that unit in food processing procedures.

The teaching covers the use of enzymes in food processing and diagnostic analysis, the types of raw products used in foods and their processing, the chemistry of raw products with special attention given to proteins, doughs and baking technologies, the reactions that occur during processing and the evaluation of foods. Students will gain exposure to a wide range of food related issues through the presentation of lectures by invited speakers with industry experience.

At the end of this unit students will understand the chemistry of doughs and the changes that occur in baked goods, the role of enzymes in the food industry and the processing of raw ingredients and the products produced. Students will also have an enhanced understanding of issues that face Australian and international agricultural practices and current issues presented by an increasingly global food processing industry.

Students will gain research and inquiry skills by mastering the key theories and concepts presented in lecture material and practical classes. Students will also gain information literacy and communication skills by using various sources of information for the synthesis of material required for practical reports and an oral presentation. At the end of the unit students should also have an enhanced understanding of the role of agriculture in Australian and international food production systems.

Textbooks

No recommended text. Laboratory notes will be available for purchase from the Copy Centre in the first week of semester and lecture notes will be available through the unit WebCT site.

AGCH3032

Land and Water Ecochemistry

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.

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.

Agricultural Chemistry Honours

Honours in Agricultural Chemistry aims to provide students with problem-solving and communication skills required by professional chemists in enterprises concerned with agricultural production and processing, foods and beverages, and environmental science; enable students to learn to work independently in a laboratory environment; familiarise students with the research literature and methodology of biological chemistry; and provide a basis for students who wish to proceed to postgraduate research. Candidates should consult the department as soon as possible after results in senior units of study are obtained. The unit of study consists of a research project and four 6 credit point units of study. The research project component includes oral as well as written forms of assessment. Projects are usually available in one of the following areas of current research interest in the department: carbohydrate and nitrogen metabolism in plants, biological nitrogen fixation and biofertilisers, greenhouse gas production, the biochemistry and environmental chemistry of pesticides and herbicides, environmental risk assessment, acidification of ecosystems, residue analysis in foods, aspects of food science including oil seed and cereal chemistry and biochemistry.

Soil Science

The Soil Science units of study aim primarily at giving students an introduction to the three major branches of soil science, namely soil physics, soil chemistry, and pedology, and at providing the basis for a professional career in each of these divisions for students wishing to specialise. The introductory unit of study is particularly relevant for students interested in the environmental and geological sciences and in land-use management. For a major in Soil Science, the minimum requirement is completion of SOIL3008, 3009 and 3010 and one of (AGCH3032 or LWSC3006 or PPAT4005).

SOIL2003

Soil Properties and Processes

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%).

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

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%)

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.

SOIL3008

Rural Spatial Information Systems

This unit of study is not available in 2009

Credit points: 6 **Teacher/Coordinator:** Dr I Odeh **Session:** Semester 1 **Classes:** (2 lec, 2hr prac)/wk, four-day field trip **Assessment:** One 15 min presentation (10%), 3500w prac report (35%), 1500w report on field excur (15%), one 2 hr exam (40 %)

This unit is designed to impart knowledge and skills in spatial analysis and geographical information science (GISc) for decision-making in rural 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, fundamentals of remote sensing and geo-image analysis, 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, and soil quality assessment for decisions regarding sustainable land use and management. A 4 day field excursion during the mid-semester break will involve a day GPS fieldwork at Arthursleigh University farm and three days in Canberra visiting various government agencies which research and maintain GIS coverages of major rural environments. 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 rural 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 and remote sensing 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.
 Jensen, J. R. 2000. *Remote Sensing of the Environment: An Earth Resources Perspective*. Prentice Hall: Upper Saddle River, New Jersey.
 Lillesand, T. M. Kiefer, R. W. Chipman J. W. 2004. *Remote Sensing and Image Interpretation*. 5rd ed. Wiley International: New York

SOIL3009

Contemporary Field and Lab Soil Science

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

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

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.

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.

AGCH3032

Land and Water Ecochemistry

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.

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 Australian 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.

LWSC3006

Landscape Hydrology and Management

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%.

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.

PPAT4005

Soil Biology

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%).

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.

Soil Science Honours

The honours program consists of several parts:(i) supplementary lectures and seminars;(ii) topics of study selected from Agricultural Chemistry, Biometry, Botany, Geology, Physical Chemistry, Mathematics, Soil Mechanics, Soil Microbiology, etc;(iii) a small amount of field work performed under direction; and(iv) a project in one branch of soil science.

Anatomy and Histology

The Discipline of Anatomy and Histology teaches topographical and neuroanatomy, histology and cell biology, developmental biology and physical anthropology to students in the Faculties of Science, Medicine and Dentistry.

Location

The Office is in the Anderson Stuart Building. The Discipline Office is on the first floor, Room S463.

Noticeboards

The noticeboards are situated near Room S463. Students are advised to consult the noticeboard regularly. Timetables for lectures and practical classes will be posted, where possible, in the week before the beginning of each semester.

Advice on units of study and enrolment

Students wishing to enrol in units of study in Anatomy and Histology must consult the Discipline advisers in the Enrolment Centre during re-enrolment week prior to enrolling in the units of study. Information will be available at this time on the units of study offered by the Discipline and on the advisability of various combinations of subjects.

Registration

All students should register with the Discipline. Please consult the Discipline's noticeboards for details.

Vaccinations

All students studying gross anatomy or neurosciences who may also be exposed to human tissues or fluids should contact the University Health Service regarding vaccinations.

Protective clothing

All students studying gross anatomy or neurosciences must wear a laboratory coat or gown in tutorial rooms and a gown in dissection rooms and must wear gloves when handling cadaveric material. Closed footwear must be worn in both tutorial rooms and dissection rooms.

Website

The Department's website is located at www.anatomy.usyd.edu.au

ANAT2008

Principles of Histology

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

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

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

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

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

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.

ANAT3004

Cranial and Cervical Anatomy

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

Note: The completion of 6 credit points of MBLG is highly recommended.

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.

ANAT3904

Cranial & Cervical Anatomy (Advanced)

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

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.

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

ANAT3006

Forensic Osteology

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

Note: The completion of 6 credit points of MBLG is highly recommended.

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

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

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

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.

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.

EMHU3001

Electron Microscopy and Imaging/Theory

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.

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

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).

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.

HSTO3001

Microscopy & Histochemistry Theory

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.

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

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.

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

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.

Note: The completion of 6 credit points of MBLG is highly recommended.

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)

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.

Note: The completion of 6 credit points of MBLG is highly recommended.

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.

NEUR3002

Neuroscience: Motor Systems & Behaviour

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.

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

NEUR3902

Neuroscience: Motor Systems & Behav. Adv

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).

Note: Permission from the coordinators is required for entry into this course. It is strongly recommended that students also take unit NEUR3001 or NEUR3901.

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

NEUR3004

Integrative Neuroscience

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.

Note: Enrolment in NEUR3003 is HIGHLY RECOMMENDED. Courses are designed to be taken in conjunction with each other.

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.

NEUR3904

Integrative Neuroscience (Advanced)

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.

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.

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.

For other NEUR units of study, see the entry under the School of Physiology.

Anatomy and histology Honours and Graduate Diploma

Taking an Honours or Graduate Diploma provides the opportunity for students to do research on a project supervised by a member of staff. Assessment is based on a thesis summarising the results of the year's research, along with additional studies. To qualify for admission to Honours or the Graduate Diploma the student must obtain an appropriate standard in Senior Anatomy or Histology or Neuroscience.

Anatomy and Histology Higher Degrees

The award courses of Master of Science and Doctor of Philosophy by research are offered in the Faculty of Science by the Discipline of Anatomy and Histology.

Biochemistry

The discipline teaches Biochemistry and Molecular Biology to Science and Medical Science students at the Junior, Intermediate and Senior levels. This discipline area includes the fundamental principles governing the structure, function and interactions of biological molecules, the nature of genetic material and control of its expression and leads to an understanding of the molecular nature of living systems.

Junior program

The junior program has the introductory faculty unit of study Molecular Biology and Genetics Intro (MBLG1001).

Intermediate program

The comprehensive Intermediate program in Biochemistry and Molecular Biology includes Protein Biochemistry (BCHM2071/2971), Human Biochemistry (BCHM2072/2972) and the faculty unit of study Molecular Biology and Genetics A (MBLG2071/2971). Students wishing to progress to the Senior units of study in Biochemistry and Molecular Biology need to have completed MBLG1001 and 12 CP of Intermediate BCHM/MBLG units of study.

Senior program

The Senior program consists of Molecular Biology and Biochemistry - Genes (BCHM3071/3971), Molecular Biology and Biochemistry - Protein (BCHM3081/3981), Human Molecular Cell Biology (BCHM3072/3972), Medical and Metabolic Biochemistry, (BCHM3082/3982), Proteomics and Functional Genomics (BCHM3092/3992). Any four of these units of study constitute a major in Biochemistry. Students seeking further information should consult the relevant Tables in earlier Undergraduate Enrolment Advice chapters.

BCHM2071

Protein Biochemistry

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.

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

BCHM2971

Protein Biochemistry (Advanced)

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.

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

BCHM2072

Human Biochemistry

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

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.

BCHM2972

Human Biochemistry (Advanced)

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

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

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.

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)

BCHM3971

Molecular Biology & Biochem- Genes (Adv)

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.

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)

BCHM3081

Mol Biology & Biochemistry- Proteins

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.

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.

BCHM3981

Mol Biology & Biochemistry- Proteins Adv

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.

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.

BCHM3072

Human Molecular Cell Biology

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.

Note: BExSci/BSc(Nutrition) students successfully progressing though the combined degree meet the pre-requisites for this unit of study

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)

BCHM3972

Human Molecular Cell Biology (Advanced)

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.

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).

BCHM3082

Medical and Metabolic Biochemistry

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.

Note: BExSci/BSc(Nutrition) students successfully progressing through the combined degree meet the pre-requisites for this unit of study

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.

BCHM3982

Medical and Metabolic Biochemistry (Adv)

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.

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.

BCHM3092

Proteomics and Functional Genomics

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.

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.

BCHM3992

Proteomics and Functional Genomics (Adv)

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.

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.

Biochemistry Honours

An honours program of study designed for those wishing to enter research or to undertake work leading to a higher degree is conducted in the fourth year. The program runs from early February until mid-November (mid-year entry will be available from 2008 and runs from early-September until mid-July). It provides the opportunity for laboratory research on a project supervised by a staff member, culminating in the production of a research thesis. During the year each student is also required to undertake a coursework program that involves six tutorials and an exam based on the critical evaluation of scientific manuscripts. Assessment of the year's work is based largely on the student's performance on the research project, and a written report on that project.

Honours Research Areas

Biochemistry Honours is conducted within the School of Molecular and Microbial Biosciences. The School offers projects in a wide range of research areas including Physical Biochemistry and Structural Biology, Microbiology, Proteomics and Biotechnology, Nutrition and Metabolism and Molecular Biology and Genetics. Specific research topics currently offered include: Anticancer drugs: synthesis and mechanism of action; Biochemistry of cellular signal transduction; The causes of diabetes and/or obesity; Chaperones and amyloid formation; X-ray crystallography of proteins and drug DNA complexes; NMR studies of membrane transport and metabolism in cells; Antibiotic resistance mechanisms in microbial pathogens; Eukaryotic transcription factors; Protein structure modeling; Molecular biology of humans and yeasts; Gene expression in transgenic mice; Glycaemic index of foods; oligosaccharides in human milk.

Applying for admission to Honours

An application form providing the list of possible research projects is provided to interested students and is available from the honours coordinator. Students must arrange to speak with potential supervisors and should choose two discipline areas and three supervisors in order of preference on the application form. A decision on honours entry is made in December. Attempts will be made where possible to assign students to the supervisor of their choice but this will not always be possible. In such cases the School will work with students to find an available project. Students should note that some supervisors cannot accommodate mid-year entrants. The usual requirement for acceptance into the Honours program is a credit average in a major relevant to the project of interest; any student with an undergraduate background relevant to specific projects (including Chemistry, Biochemistry, Nutrition and Dietetics, Microbiology, Immunobiology, Physiology, Neuroscience, Mathematics, Physics, Biology or other related Medical Sciences) may be admitted. It should be noted that the number of students accepted into the Honours program may be limited because of resource restrictions (availability of a supervisor and/or laboratory space) and that, in the event of there being more applicants than resources will allow, offers will be made on the basis of academic merit. The honours unit of study codes are listed in the Honours chapter of this handbook - chapter 12. The Honours year coordinator is Dr Stuart Cordwell.

Bioinformatics

Bioinformatics is an interdisciplinary area of science, involving Computer Science, Computational Science, Mathematics, Statistics, and the Life Sciences (ie. biology, medicine, etc). It is responsible for the development and use of computer systems, databases, software, networks, and hardware to solve scientific problems in a wide variety of areas ranging from biology to medicine. Due to its interdisciplinary nature, the BSc (Bioinformatics) degree is composed of units of study that are offered also to students enrolled in other degrees, the general aim being to equip the students enrolled in the BSc (Bioinformatics) degree with knowledge in key areas of relevance to Bioinformatics.

First Year

In the first year of their study, students devote time to units of study offered by the School of Biological Sciences, School of Chemistry, School of Information Technologies, School of Mathematics and Statistics, and School of Molecular and Microbial Biosciences (see Table 1A in chapter 4).

Second Year

In the second and third year of their study, students divide time equally between the Life Sciences and the mathematical, statistical, and computational sciences, choosing units of study from those offered by the School of Biological Sciences, School of Information Technologies, School of Mathematics and Statistics, School of Molecular and Microbial Biosciences, School of Physics, and the Department of Pharmacology (see Table 1A).

Third Year

In the third year of their study, the students are highly recommended to enrol in BIOL3027/3927 (Bioinformatics and Genomics) and BCHM3092/3992 (Proteomics and Functional Genomics). Furthermore, the students complete a unit of study - BINF3101 (Bioinformatics Project) - that is designed specifically to give them an opportunity to do real research, supervised by scientists from the bio-medical disciplines. For further information regarding third year requirements see Table 1A.

BINF3101

Bioinformatics Project

Credit points: 6 **Teacher/Coordinator:** A/Prof L Jermiin, 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

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.

Biological Sciences

Advice on units of study

Any student needing advice before enrolling should make an appointment to see an adviser from the School of Biological Sciences. Phone 9351 5819 (First Year Biology Office) for enquiries about junior units; or 9351 2848 for enquiries about Intermediate and Senior units. Units of study in Biology include those with the prefixes BIOL (Biology), PLNT (Plant Sciences) and MBLG (Molecular Biology and Genetics), as well as ENVI2111. Refer to the relevant sections of this handbook for details of PLNT, MBLG and ENVI units of study. Information about how to major in Biology or Plant Sciences, with advice on unit of study choices, can be found at: www.bio.usyd.edu.au/futurestudents/future_ug.html.

Assistance during semester

The offices of junior year Biology staff and the Biology Learning Centre are on the 5th floor of Carslaw. Staff are available for consultation throughout semester. The School maintains a website that provides access to resources for students: www.bio.usyd.edu.au.

Summer School: January-February

The School of Biological Sciences offers some junior units of study in the Sydney Summer School. Consult The Sydney Summer School website for more information: www.summer.usyd.edu.au. Students may enrol in junior units of study offered at Summer School before their first semester of university enrolment.

Biology Bridging Course

Students who have not completed HSC Biology or equivalent are strongly encouraged to attend the Biology Bridging Course before commencing any Biology study at university. Details are available each year from the Continuing Education Website: www-secure.cce.usyd.edu.au.

Junior units of study

Students may take up to four units of study in Junior Biology: BIOL1001 or 1911 (Concepts in Biology); BIOL1003 or 1903 (Human Biology); BIOL1002 or 1902 (Living Systems); and MBLG1001 (Molecular Biology and Genetics).

BIOL1001

Concepts in Biology

Credit points: 6 **Session:** Semester 1, Summer Main **Classes:** Three 1 hour lectures and one 3 hour practical per week. **Prohibitions:** BIOL(1911 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.

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.

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

BIOL1911

Concepts in Biology (Advanced)

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.

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.

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.

BIOL1003

Human Biology

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.

Note: It is recommended that BIOL (1001 or 1911) be taken concurrently with this unit of study.

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)

BIOL1903

Human Biology (Advanced)

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.

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

BIOL1002

Living Systems

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.

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.

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

BIOL1902

Living Systems (Advanced)

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.

Note: Department permission required for enrolment.

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.

MBLG1001

Molecular Biology and Genetics (Intro)

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

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.

MBLG1901

Molecular Biology and Genetics (Adv)

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

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

Clarke, D. Molecular Biology. Elsevier 2005.

Intermediate units of study

Students who wish to take Intermediate Biology units of study should refer to the booklet Information for Students Considering Intermediate Biology Units of Study which is available from the School Office (Science Rd Cottage, A10) and at www.bio.usyd.edu.au/currentstudents/second.html. Students should discuss their preferences unit of study choices, together with the other units of study they propose to study, with a Biology staff member before enrolling. If you are considering going on to study Senior Biology you must satisfy the Intermediate qualifying and prerequisite units of study for the senior units of study you intend taking. Units of study in Intermediate Biology include those with the prefixes BIOL (Biology), PLNT (Plant Sciences) and MBLG (Molecular Biology and Genetics), as well as ENVI2111. Refer to the relevant sections of this handbook for details of PLNT (Plant Science), MBLG (Molecular Biology and Genetics) and ENVI (Environmental Studies) units of study. MBLG (2071 or 2971) and MBLG (2072 or 2972) are highly recommended to be taken by Science students in combination with all 6 credit point Intermediate Biology units of study, and are qualifying units for BIOL (3018, 3025, 3026, 3027). Note that MBLG (2071 or 2971) is a prerequisite for students wishing to enrol in MBLG (2072 or 2972). See entry for MBLG 2071, 2971, 2072 and 2972 under the heading Molecular Biology and Genetics. The following Intermediate units of study are offered:

Semester 1 units of study

BIOL2011 Invertebrate Zoology, BIOL2016 Cell Biology, PLNT2001 Applied Plant Biochemistry, PLNT2002 Aust Flora: Ecology and Conservation, ENVI2111 Conservation Biology and Applied Ecology and MBLG2071 Molecular Biology and Genetics A. (Plus Advanced versions of the above – BIOL29xx, PLNT29xx, ENVI2911, MBLG29xx).

Semester 2 units of study

BIOL2012 Vertebrates and their Origins, BIOL2017 Entomology, BIOL2018 Introduction to Marine Biology, PLNT2003 Plant Form and Function, MBLG2072 Molecular Biology and Genetics B. (Plus Advanced versions of the above – BIOL29xx, PLNT29xx, MBLG29xx).

Note:

Only one component of each of the above listed Intermediate units of study may be credited towards the degree. Qualifying units of study for certain Senior Biology units of study are defined as combinations of 6 credit points of Intermediate Biology units of study (see the Senior unit of study descriptions or Information for Students booklets). For details of PLNT units please refer to the Plant Science entry in this chapter.

BIOL2011

Invertebrate Zoology

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.

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.

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.

BIOL2911

Invertebrate Zoology (Advanced)

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

Note: The completion of 6 credit points of MBLG units of study is highly recommended.

Qualified students will participate in alternative components of BIOL2011 Invertebrate Zoology. The content and nature of these components may vary from year to year.

BIOL2012

Vertebrates and their Origins

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.

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.

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.

BIOL2912

Vertebrates and their Origins (Advanced)

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

Note: The completion of MBLG1001 is highly recommended.

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.

BIOL2016

Cell Biology

Credit points: 6 **Teacher/Coordinator:** Dr Murray Thomson. **Session:** Semester 1 **Classes:** Two 1 hour lectures and one 4 hour practical per week. **Prerequisites:** 6 credit points of 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) 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

Note: The completion of MBLG1001 is highly recommended.

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.

BIOL2916

Cell Biology (Advanced)

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 BIOL (1001 or 1911 or 1101 or 1901) and 6 additional credit points of Junior Biology. 12 credit points of Junior Chemistry (or 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). These requirements may be varied and students with lower averages should consult the Unit Executive Officer. This is a core Intermediate unit in the BSc (Molecular Biology and Genetics) award course. **Prohibitions:** BIOL2016. **Assessment:** One 3 hour exam, one practical report and one project assignment.

Note: The completion of MBLG1001 is highly recommended.

Qualified students will participate in alternative components of BIOL2016 Cell Biology.

Textbooks

As for BIOL2016

BIOL2017

Entomology

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.

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.

BIOL2917

Entomology (Advanced)

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.

Qualified students will participate in alternative components of BIOL2017, Entomology. The content and nature of these components may vary from year to year.

BIOL2018

Introduction to Marine Biology

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.

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.

BIOL2918

Introduction to Marine Biology (Adv)

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.

Note: Entry is restricted and selection is made from applicants on the basis of previous performance.

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

Refer to the relevant sections of this handbook for details on the following units of study:

Environmental Studies: ENVI2111 Conservation Biology and Applied Ecology. Plant Science: PLNT2001 Applied Plant Biochemistry, PLNT2002 Australian Flora: Ecology and Conservation, PLNT2003 Plant Form and Function. Molecular Biology and Genetics: MBLG2071 Molecular Biology and Genetics A, MBLG2072 Molecular Biology and Genetics B. (Plus Advanced versions of the above – ENVI2911, PLNT29xx, MBLG29xx).

Senior units of study

Students who intend to proceed from Intermediate to Senior Biology should refer to the booklet Information for Students Considering Intermediate Biology Units of Study, which is available from the School Office (The Cottage, A10 Science Road) and at www.bio.usyd.edu.au/currentstudents/third.html. Students should discuss their unit of study choices with a Biology Staff member before enrolling. A major in Biology comprises 24 credit points of Senior Biology units of study. Units of study followed by (MS) may be used to count towards a major in Marine Science.

Senior units of study offered: Pre-semester 1

BIOL3010 Tropical Wildlife Biology and Management - (Pre-Semester 1 intensive). BIOL3017 Fungi in the Environment – (Summer Break and Semester 1). (Plus Advanced versions of the above – BIOL39xx)

Senior units of study offered: Semester 1

BIOL3006 Ecological Methods (MS), BIOL3011 Ecophysiology (MS), BIOL3012 Animal Physiology, BIOL3013 Marine Biology (MS), BIOL3018 Applications of Recombinant DNA Technology, BIOL3027 Bioinformatics and Genomics, PLNT 3003 Systematics and Evolution of Plants. (Plus advanced versions of the above - BIOL 39xx, PLNT 39xx).

Senior units of study offered: Pre-semester 2 intensive

BIOL3008 Marine Field Ecology (MS) – (Pre-Semester 2 intensive). BIOL3009 Terrestrial Field Ecology – (Pre-Semester 2 intensive). (Plus Advanced versions of the above - BIOL 39xx)

Senior units of study offered: Semester 2

BIOL3007 Ecology (MS), BIOL3025 Evolutionary Genetics and Animal Behaviour, BIOL3026 Developmental Genetics, PLNT3002 Plant Growth and Development. (Plus advanced versions of the above - BIOL 39xx, PLNT 39xx).

Further information

Details of lectures and practical classes are given in the booklet: Information for Students Considering Intermediate Biology Units of Study. Any combination of units may be chosen subject to timetable and prerequisite constraints. Units of study are offered subject to student numbers, availability of staff and resources. Quotas exist on BIOL 3008/3908 Marine Field Ecology, and BIOL 3009/3909 Terrestrial Field Ecology. When necessary, selection is based on academic merit. Students majoring in Marine Science must enrol in 24 credit points of Senior Marine Science, including at least 6 credit points of Senior Biology (from those marked MS) and 6 credit points from GEOS units. If these credit points are taken as part of Marine Science major they may not be counted towards a Biology major.

Selecting units of study

Select your unit of study after checking (a) that you have passed the qualifying units of study stated for each unit of study, and (b) checking your timetable. You are strongly advised to check the most up-to-date information (including details of quotas in Marine modules) in the booklet: Information for Students Considering Intermediate Biology Units of Study, available from the School Office (The Cottage, A10, Science Road).

Textbooks

A list of textbooks and reference books is provided in the booklet: Information for Students Considering Intermediate Biology Units of Study.

BIOL3006

Ecological Methods

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%.

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.

BIOL3906

Ecological Methods (Advanced)

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%.

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

BIOL3007

Ecology

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.

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.

BIOL3907

Ecology (Advanced)

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.

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

BIOL3008

Marine Field Ecology

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.

Note: Dates: 2 - 9 July 2009.

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.

BIOL3908

Marine Field Ecology (Advanced)

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.

Note: Dates: 2 - 9 July 2009. Plus four 1 hour tutorials during semester 2.

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.

BIOL3009

Terrestrial Field Ecology

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%).

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.

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.

BIOL3909

Terrestrial Field Ecology (Advanced)

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%).

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.

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.

BIOL3010

Tropical Wildlife Biology and Management

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, .

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.

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.

BIOL3910

Tropical Wildlife Biol & Management Adv

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.

Note: Department permission required for enrolment. Note: 0

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.

BIOL3011

Ecophysiology

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.

Note: The completion of 6 credit points of MBLG units is highly recommended.

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.

BIOL3911

Ecophysiology (Advanced)

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.

Note: The completion of 6 credit points of MBLG units is highly recommended.

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.

BIOL3012

Animal Physiology

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) and 6 additional credit points of Intermediate Biology (BIOL/MBLG/PLNT/ENVI). **Prohibitions:** BIOL3912 **Assessment:** One 1.5 hour exam, laboratory/library reports.

Note: The completion of 6 credit points of MBLG units is highly recommended.

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.

BIOL3912

Animal Physiology (Advanced)

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) and 6 additional credit points of Intermediate Biology. 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.

Note: The completion of 6 credit points of MBLG units is highly recommended.

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.

BIOL3013

Marine Biology

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

Note: The completion of 6 credit points of MBLG units is highly recommended.

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.

BIOL3913

Marine Biology (Advanced)

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.

Note: The completion of 6 credit points of MBLG units is highly recommended.

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.

BIOL3017

Fungi in the Environment

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.

Note: Dates: 16-27 February 2009. The completion of 6 credit points of MBLG units is highly recommended.

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.

BIOL3917

Fungi in the Environment (Advanced)

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.

Note: The completion of 6 credit points of MBLG units is highly recommended.

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.

BIOL3018

Applications of Recombinant DNA Tech

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

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.

BIOL3918

Applications of Recombinant DNA Tech Adv

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

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.

BIOL3025

Evolutionary Genetics & Animal Behaviour

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

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.

BIOL3925

Evolutionary Gen. & Animal Behaviour Adv

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.

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.

BIOL3026

Developmental Genetics

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.

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.

BIOL3926

Developmental Genetics (Advanced)

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.

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.

BIOL3027

Bioinformatics and Genomics

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

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.

BIOL3927

Bioinformatics and Genomics (Advanced)

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.

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.

Refer to the relevant sections of this handbook for details on the following PLNT units of study

Plant Science PLNT3001 Plant Cell and Environment, PLNT3002 Plant Growth and Development, PLNT3003 Systematics and Evolution of Plants. (Plus advanced versions of the above - PLNT39xx).

Biology Honours

A single Honours program in Biology accommodates students who have completed 24 credit points of Senior Biology Life Sciences units and have a minimum WAM of 65. Information about qualifications for entry into Honours is available from the School Office (Science Road Cottage, A10), or on the School of Biological Sciences website. During the honours year the principles established in the first three years of the undergraduate award course are further developed, and students are introduced to a wider field of biology and biological techniques. Students may elect to specialise in any of the aspects of biology that are studied in the School. Projects jointly supervised by staff in other Schools or Departments within the University may also be considered. Students who have indicated their intention of entering the Honours program will be notified of acceptance after the publication of the second semester Senior examination results. Honours students start their academic year in late January, or in July.

The honours year comprises:

1. A project in which the student investigates a problem and presents oral and written accounts of his or her research.
2. A coursework unit – BIOL4015 Conducting and Communicating Research Scientific Research Practice in Biology, instruction in experimental design, and other technical training. The degree will be awarded on the basis of: (a) written assignments from coursework units; (b) marks awarded for a thesis on the subject of the project.

Graduate Diploma in Science (Biology)

The Graduate Diploma program in Biology is available as a one year full-time or two year part-time course. The course is intended for students wishing to progress beyond a pass degree but not via the honours degree, or who are ineligible for admission to honours. Students enrolled in the one year course will follow the same program as Biology honours students and be assessed using similar criteria. Students may therefore elect to specialise in any area within the

research interests of the School. Projects jointly supervised by staff in other Schools or Departments within the University may also be considered. Students undertaking the two year course (part-time) will follow the same curriculum but will satisfactorily complete the instructed elements of the course before progressing to the project element at the end of the first year. Students who have signified their intention to enter the Graduate Diploma program will be notified of acceptance after the publication of the second semester senior examination results. Graduate Diploma students are expected to start their academic year in late January, or in July. The composition of the Graduate Diploma course is identical to that for honours (see Biology Honours).

Postgraduate study in Biology

MSc and PhD degrees by research are available in the School. On completion of an honours degree (at first or second class level), MSc Preliminary course or Graduate Diploma in Science, students may pursue candidature for MSc degrees by research. The range of research fields offered and the fields of each member of academic staff are listed on the School's website at www.bio.usyd.edu.au.

Cell Pathology

Cell Pathology is taught by the Department of Pathology. The Department of Pathology is located on Level 5 of the Blackburn Building (phone 9351 2414). The department maintains a website to assist students access information and resources: www.pathology.usyd.edu.au.

CPAT3201

Pathogenesis of Human Disease 1

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%).

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

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%).

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.

Chemical Engineering

The School of Chemical and Biomolecular Engineering is part of the Faculty of Engineering and Information Technologies. In addition to providing professional training in this branch of engineering it offers CHNG1103 Introduction to Material and Energy Transformations to students enrolled in the Faculty of Science. Details regarding this unit of study can be obtained from the Faculty of Engineering and Information Technologies Handbook. This unit of study is intended to give a science student some insight into the principles which control the design and performance of large scale industrial processing plants. Faculty of Science students are invited to enrol in any other chemical engineering unit of study, provided they have the appropriate prerequisites and have consulted with the Head of School.

Advanced standing for Science students transferring to BEng(Chemical Engineering)

Science graduates may obtain up to two years advanced standing towards a Bachelor of Engineering degree in Chemical Engineering. Students wishing to undertake this option must seek academic advice from the School of Chemical and Biomolecular Engineering. Further details regarding admission to the BE in Chemical Engineering may be obtained from the Engineering and Information Technologies Faculty Office.

Chemistry

Junior units of study

The School of Chemistry offers a number of 6 credit point units of study to cater for the differing needs of students. These units of study are: CHEM1001 Fundamentals of Chemistry 1A, CHEM1002 Fundamentals of Chemistry 1B, CHEM1101 Chemistry 1A, CHEM1102 Chemistry 1B, CHEM1108 Chemistry 1 Life Sciences A, CHEM1109 Chemistry 1 Life Sciences B, CHEM1901 Chemistry 1A (Advanced), CHEM1902 Chemistry 1B (Advanced), CHEM1903 Chemistry 1A (Special Studies Program), CHEM 1904 Chemistry 1B (Special Studies Program).

Obtaining detailed information about units

Detailed information on Chemistry Junior Units of Study is available at the Chemistry First Year website: <http://firstyear.chem.usyd.edu.au>. This information is also provided in a booklet: Information for Students, which is distributed to students

at the time of enrolment, and is also available from the Chemistry First Year Office.

CHEM1001 Fundamentals of Chemistry 1A

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.

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

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.

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

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.

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

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.

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

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.

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.

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

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.

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.

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.

CHEM1901 Chemistry 1A (Advanced)

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:** UAI 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.

Note: Department permission required for enrolment.

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)

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.

Note: Department permission required for enrolment.

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)

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%)

Note: Department permission required for enrolment. Note: Entry is by invitation. This unit of study is deemed to be an Advanced unit of study.

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)

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%)

Note: Department permission required for enrolment. Note: Entry is by invitation. This unit of study is deemed to be an Advanced unit of study.

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.

Intermediate units of study

The School of Chemistry offers a number of units of study to cater for the differing needs and interests of students. The following 6 credit point units of study are offered: CHEM2401 Molecular Reactivity and Spectroscopy, CHEM2402 Chemical Structure and Stability, CHEM2403 Chemistry of Biological Molecules, CHEM2404 Forensic and Environmental Chemistry, CHEM2911 Molecular Reactivity and Spectroscopy (Adv), CHEM2912 Chemical Structure and Stability (Adv), CHEM2915 Molecular Reactivity and Spectroscopy (SSP), CHEM2916 Chemical Structure and Stability (SSP). Note: The core Intermediate Chemistry units CHEM (2401 or 2911 or 2915) and CHEM (2402 or 2912 or 2916) are prerequisites for all Senior Chemistry units of study. Students who wish to enrol in Senior Chemistry in 2010 must have completed both core units.

CHEM2401

Molecular Reactivity and Spectroscopy

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

Note: This is a required chemistry unit of study for students intending to major in chemistry.

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.

CHEM2911

Molecular Reactivity & Spectroscopy Adv

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.

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.

CHEM2915

Molecular Reactivity & Spectroscopy SSP

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.

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.

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 2008, these covered Advanced Kinetics, Quantum Theory and Palladium in organic synthesis), Series Two is devoted to Advanced Theoretical Chemistry.

CHEM2402

Chemical Structure and Stability

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

Note: This is a required chemistry unit of study for students intending to major in chemistry.

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.

CHEM2912

Chemical Structure and Stability (Adv)

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.

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.

CHEM2916

Chemical Structure and Stability (SSP)

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.

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.

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).

CHEM2404

Forensic and Environmental Chemistry

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.

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.

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.

CHEM2403

Chemistry of Biological Molecules

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

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.

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.

Senior units of study

The School of Chemistry offers a choice of 6 credit point units of study to cater for the differing needs and interests of students. Each unit involves two lectures and 4 hours of lab each week.

CHEM3110

Biomolecules: Properties and Reactions

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

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

Biomolecules: Properties & Reactions Adv

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

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.

CHEM3111

Organic Structure and Reactivity

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

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.

CHEM3911

Organic Structure and Reactivity (Adv)

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

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. CHEM3911 students attend the same lectures as CHEM3111 students, but attend an additional advanced seminar series comprising one lecture a week for 12 weeks.

CHEM3112

Materials Chemistry

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

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 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 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

Materials Chemistry (Adv)

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

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 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 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.

CHEM3113

Catalysis and Sustainable Processes

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

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.

CHEM3913**Catalysis and Sustainable Process (Adv)**

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

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. There 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.

CHEM3114**Metal Complexes: Medicine and Materials**

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

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**Metal Complexes: Medic. & Mater. (Adv)**

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

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.

CHEM3115**Synthetic Medicinal Chemistry**

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

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**Synthetic Medicinal Chemistry (Adv)**

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

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.

CHEM3116**Membranes, Self Assembly and Surfaces**

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

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.

CHEM3916

Membranes, Self Assembly & Surfaces(Adv)

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

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.

CHEM3117

Molecular Spectroscopy & Quantum Theory

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

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

Mol. Spectroscopy & Quantum Theory (Adv)

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

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.

Chemistry Honours

The honours program in the School of Chemistry gives students the opportunity to get involved in a research program in an area that is of interest to them. It provides training in research techniques and experience using modern research instrumentation. The honours program adds a new dimension to the skills that the students have acquired during their undergraduate years and enhances their immediate employment prospects and, more significantly, their future career potential. All students with a sound record in Chemistry are encouraged to apply for entry to the honours program. The School of Chemistry offers a wide range of possible projects in all areas of contemporary chemistry including Biological and Medicinal Chemistry, Synthesis and Catalysis, Physical and Theoretical Chemistry, Supramolecular Chemistry, Polymers and Colloids and Chemical Spectroscopy. Details of available projects are contained in the School's Honours Booklet that is available from the School's Information Desk. In the honours year, each student undertakes a research project under the supervision of a member of staff; writes a thesis which explains the problem; outlines the research undertaken and the results obtained; attends advanced lecture courses, normally given by leaders in their field from overseas or Australia; attends research seminars and undertakes additional written assessment. Further information is available from the Honours Coordinator, or at www.chem.usyd.edu.au/future/honours.html.

Civil Engineering

The School of Civil Engineering is part of the Faculty of Engineering and Information Technologies. In addition to providing professional training in this branch of engineering it offers units of study to students enrolled in the Faculty of Science majoring in Mathematics, Physics, Chemistry, Geology, Computer Science or Soil Science. The most relevant units of study are CIVL2201 - Structural Mechanics, CIVL2230 - Introduction to Structural Concepts and Design, CIVL2410 Soil Mechanics, and CIVL2611 Fluid Mechanics. Details regarding these units of study can be obtained from the Faculty of Engineering and Information Technologies Handbook. These units of study are intended first to demonstrate the application of scientific principles in an engineering context. The second intention is to introduce the application of this understanding to analysis and design in civil engineering. As well as the above units of study, Faculty of Science students are invited to enrol in other civil engineering units of study, provided they have the appropriate pre-requisites and assumed knowledge.

Double Degree

BSc graduates, who have passed all four of the above four units of study within the School of Civil Engineering, may obtain a Bachelor of Engineering degree in Civil Engineering after an additional two years' study, following the award of the BSc. Students wishing to undertake this option must apply through UAC and compete on the basis of academic merit. Prospective students are advised to discuss their plans with the School of Civil Engineering before enrolment. Further details regarding admission to the BE in Civil Engineering may be obtained from the Engineering Faculty Office in the Engineering and Information Technologies Faculty Building.

Computational Science

Coordinator

Dr Mike Wheatland

Junior units of study

COSC1001

Computational Science in Matlab

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.

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.

COSC1901

Computational Science in Matlab (Adv)

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.

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.

COSC1002

Computational Science in C

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.

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.

COSC1902

Computational Science in C (Adv)

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.

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.

Senior units of study

For a major in Computational Science, the minimum requirement is 24 credit points chosen from the core or elective senior units of study listed for this subject area, of which at least 12 credit points must be from the following core senior units of study: COSC3011 Scientific Computing; COSC3911 Scientific Computing (Advanced); MATH3076 Mathematical Computing*; MATH3976 Mathematical Computing (Advanced)*. For Senior elective units see Table 1.

Notes

* Refer to Mathematics listing in this chapter for descriptions of these units of study. Senior elective units of study for a major in Computational Science are listed in Table 1 in chapter 3.

COSC3011

Scientific Computing

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

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.

COSC3911

Scientific Computing (Advanced)

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

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.

MATH3076

Mathematical Computing

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 MATH(1001 or 1003 or 1901 or 1903 or 1906 or 1907) **Prohibitions:** MATH3976, MATH3016, MATH3916 **Assessment:** One 2 hour exam, assignments, quizzes

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.

MATH3976

Mathematical Computing (Advanced)

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

See entry for MATH3076 Mathematical Computing.

Electrical Engineering

The School of Electrical and Information Engineering is part of the Faculty of Engineering and Information Technologies. In addition to providing professional training in this branch of engineering it offers many units of study that are available to students enrolled in the Faculty of Science. Details regarding these units of study can be obtained from the Faculty of Engineering and Information Technologies Handbook or from the school website: www.ee.usyd.edu.au/ugrad

Double Degree

Science graduates may obtain up to two years advanced standing towards a Bachelor of Engineering degree in Computer, Electrical, Software or Telecommunications Engineering. Students wishing to undertake this option must seek academic advice from the School of Electrical and Information Engineering. Further details regarding admission to the BE may be obtained from the Engineering and Information Technologies Faculty Office. The School of Engineering is located in Building J03.

Environmental Science

Environmental Science is an applied interdisciplinary field concerned with the environment around us, regardless of whether it is natural or human-made, and how we can utilize or manage it for our benefit. It

draws on a wide range of science-based disciplines and applications, from ecology to solar power, analytical chemistry to geomorphology. Environmental Science is also concerned with the social issues involved, including environmental law and policy, sustainability, resource economics, urban planning, and environmental ethics. Environmental scientists and managers need to have a broad knowledge base and the ability to be flexible and innovative in their application of such knowledge. Consequently, the emphasis of the Environmental Science program is placed upon studies that span and integrate several disciplines, involve adaptive problem solving, and develop new skills and expertise. In particular, the Environmental Science program looks to supplement studies in the science disciplines with units that provide complimentary information on environmental issues that not only show how the sciences interact in the environment but how humans impact upon it. Prior to 2007, students wanting to Study Environmental Science did so through the specialist BSc (Environmental) degree - see Table 1B. Now students wanting to take Environmental Science can only do so by taking a double major in the BSc, one major in Environmental Studies and the other in a Science discipline of the students' choice. For descriptions of the ENVI units of study, refer to the entries under Environmental Studies.

Honours in the Bachelor of Science (Environmental)

Students of sufficient merit may be admitted to an Honours course in the Bachelor of Science (Environmental). In the Honours year, a student will undertake an interdisciplinary research exercise in association with one or more supervising members of the academic staff at the University of Sydney, write a thesis based upon the research, and attend advanced lecture units of study and seminars as required by their supervisor(s). The honours year is not only rewarding but enjoyable as well, and marks the transition period where a student becomes a research collaborator. Eligible students can choose to complete Honours in the following Science Subject Areas: Agricultural Chemistry, Biology, Chemistry, Geography, Geology, Marine Science, Microbiology, or Soil Science. (Please note that there are no honours units of study entitled 'Environmental Science').

Environmental Studies

Environmental Studies is the examination of the human interactions with the natural and built environment. It encapsulates the fundamental social aspects of sustainability, environmental impact, law, ethics, development, energy use, economics and politics. In order to properly cover this material, the ENVI units are taught by various staff from within the Faculties of Science, Architecture and Law. Consequently, the ENVI units are complimentary to studies not only in the physical and natural Science disciplines but also to the social disciplines.

Obtaining a major in Environmental studies

A major in Environmental Studies constitutes the completion of 24 credit points of Senior units as listed in Table 1, including at least 12 credit points of Senior ENVI units of study listed below. Study of at least one Intermediate ENVI unit is highly recommended.

ENVI2111

Conservation Biology and Applied Ecology

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.

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.

ENVI2911

Conservation Biology (Advanced)

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.

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.
Lindemeyer D, Burgman M. 2005. Practical Conservation Biology, CSIRO Publishing, Victoria
Attiwill P, Wilson B. 2003. Ecology: An Australian Perspective, Oxford University Press.

ENVI2112

Atmospheric Processes and Climate

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

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.

ENVI3111

Environmental Law and Ethics

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.

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**

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.

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. More 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**

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.

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.

GEOS3513**Regional Development and Environment**

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

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.

GEOS3913**Regional Development & Environment (Adv)**

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 with a grade of Credit or better **Prohibitions:** ENVI3113, GEOS3513, GEOS3911 **Assessment:** In-class tests, essay, report

This unit of study is a more advanced version of GEOS3513. It includes more challenging assessment tasks.

Financial Mathematics and Statistics

This is an interdisciplinary major offered in the Faculty of Science consisting of several core units and a number of elective units from mathematics, statistics and information technologies. The program is designed to meet the need for high level quantitative and modelling skills in the banking, insurance, stockbroking and finance industries without constraining students to a full major in mathematics or statistics. Graduates with specifically strong mathematical and statistics backgrounds are in very high demand. The core units Optimisation and Financial Mathematics (MATH2070/2970) and Financial Mathematics (MATH3075/3975) are the backbone of the program and introduce the student to important financial concepts within a mathematical and statistical framework. The core mathematics and statistics units provide the technical base that is required by a quantitative analyst, while the elective units offer the student increased flexibility and additional opportunities to develop related skills. Students completing the program at the Advanced Level may continue into Fourth Year Honours where a number of further Financial Mathematics and Statistics units are on offer. It is envisaged that students completing the Honours program will not only be highly trained in quantitative finance, but will also be well prepared for active research in the field. Students should refer to Table 1 for an enrolment guide and to entries under the contributing Schools for unit of study descriptions.

Geosciences

The School of Geosciences offers units of study in the discipline areas of Geography and Geology and Geophysics. Students may take a major in either of these disciplines, and many of the Geoscience units also form key components of the Environmental Studies and Marine Science majors. The junior units GEOS1001, GEOS1002 and GEOS1003 provide a comprehensive introduction to both Geography and Geology and Geophysics. A major in Geography or Geology and Geophysics can be included within various degree programs across the University, including Science, Arts, Liberal Studies, Economics and Social Sciences.

Geography

Geography is the study of earth as the home of people. As the need to find solutions to issues of environmental sustainability, population change and globalisation have become more challenging, the skills and knowledge of geographers have come to the forefront. Students of Geography are interested in their world, and are taught to think critically about the relationships between people, environments and places. The knowledge and skills gained from studying Geography at the University of Sydney provide a launch pad to a professional career in an array of fields including environmental management, planning, overseas development and consulting research. Our Geography program has strong linkages with various national and international organizations that provide pathways for further studies at Honours and post-graduate levels, and into the work force. It differs from High School Geography in that it provides more opportunities for independent learning, introduces new techniques and skills, offers flexibility for you to follow your interests and is tailored to real world events and issues.

Geology and Geophysics

Geology and Geophysics provides a unifying context for understanding the workings of the earth system and the dynamic structural and ecosystem relationships between the continents and the oceans. Global climate change and shrinking resources have heightened our sense of dependence on Earth as a complex system. Geology and Geophysics provides students with an understanding of change on Earth, its origin, plate tectonics, surface processes, evolution of life and geologic time. Intermediate units highlight the role of the earth system in all natural phenomena, including those of concern to humans such as geo-biodiversity, salinity, seismicity, volcanic hazards, climate and sea level change. Senior units of study cover methods of field data collection and provide access to cutting edge computing and

data resources used for turning such observations into knowledge. Students will acquire the skills necessary for employment in all areas of sustainable exploration and management of our natural, mineral and energy resources.

Geosciences Advice

As a Geoscience student at the University of Sydney, you will participate in an array of learning environments that complement traditional lecture and tutorial classes; for example, studies can include field trips to destinations in Australia and overseas. Students who wish to obtain advice concerning the units of study described below should approach School advisors during the enrolment week or the unit coordinators during semester. Further information is available at www.geosci.usyd.edu.au, as well as in the Geosciences' student handbook available from the School's administrative office (Room 348, Madsen Building).

Website

The School of Geosciences website is located at: <http://www.geosci.usyd.edu.au/>

Location

The School of Geosciences is located in the Madsen Building (F09). All student enquiries can be made at the Madsen Building, Room 348 - 9 am to 4.30pm, Mon to Fri.

Further information

Further information is available at www.geosci.usyd.edu.au, as well as in the Geosciences' student handbook available from the School's administrative office.

Geosciences junior units of study

Students are encouraged to commence their studies of Geography, Geology and Geophysics, Environmental Studies or Marine Science by enrolling in GEOS1001 (Earth, Environment and Society) (February semester). This unit of study provides an overarching introduction to issues and themes taught across the School of Geosciences. In the second (July) semester, Geography students should enroll in GEOS1002 (Introductory Geography); Geology and Geophysics students need to enroll in GEOS1003 (Introduction to Geology). Entry into any of these units of study does not require any prior knowledge

GEOS1001

Earth, Environment and Society

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

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

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

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

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

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.

GEOL1501

Engineering Geology 1

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.

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

GEOS1901

Earth, Environment and Society Advanced

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

Note: Department permission required for enrolment.

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)

Credit points: 6 **Teacher/Coordinator:** Dr Mel Neave, Dr Kurt Iveson **Session:** Semester 2 **Classes:** Two 1 hour lectures and one 2 hour practica 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

Note: Department permission required for enrolment.

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)

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

Note: Department permission required for enrolment.

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).

Geosciences intermediate units of study

Geoscience intermediate units of study are listed below. All intermediate students are encouraged to enroll in GEOS2111 (Natural Hazards: a GIS Approach) which covers concepts and skills relevant to all Geoscience disciplines. Students interested in different areas of the Geoscience disciplines might select intermediate units of study as follows: physical and environmental Geography: GEOS2111 and/or GEOS2113 (Feb semester); GEOS2121 and/or GEOG2321 (July semester), human and environmental Geography: GEOS2112 and/or GEOS2111 (Feb semester); GEOS2122 and/or GEOS2121 (July semester), Geology and Geophysics: GEOS2111, GEOL2112 and/or GEOS2114 (Feb semester); GEOS2124 and/or GEOS2121 (July semester). Regardless, subject to the prerequisites for each individual unit of study, students may vary their enrolment across these streams. The School of Geosciences encourages students to construct a sequential ordering of units that best meets their interests and aspirations.

GEOG2321

Fluvial and Groundwater Geomorphology

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

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

GEOS2111

Natural Hazards: a GIS Approach

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 ENVI1002 or GEOL1001 or GEOL1002 or GEOS1902 or GEOL1501 or GEOS1901 or GEOS1903 **Prohibitions:** GEOG2411, GEOS2911 **Assessment:** One 2 hour exam, one assignment, report.

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

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

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

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.

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

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

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

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)

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 structure 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

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

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

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

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

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

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

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.

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.

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.

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.

GEOS2914

Volcanoes, Hot Rocks and Minerals Adv

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 ENV11002 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.

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.

GEOS2921

Environmental & Resource Management Adv

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

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)

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 GEOS1902 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

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)

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

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

Geosciences senior units of study

Geosciences Senior units of study provide specialist themes or topics relevant to ongoing studies or professions. Students may select from any of the units listed below.

Geography Major

The requirements for a Major in Geography are defined in Table 1. As with intermediate units, students would normally select sequential units of study from one of four overlapping streams - Physical Geography, Environmental Geography, Human Geography, and Geographic Computer Methods - although students may construct any ordering of these units that cater to their interests and aspirations, subject to satisfying any prerequisites.

Physical Geography stream

GEOS3009/3909 (Coastal Environments & Processes);
 GEOS3015/3915 (Environmental Geomorphology), GEOS3513/3913 (Regional Development and Environment), GEOS3018/3918 (Rivers: Science, Policy and Management)

Environmental Geography stream

GEOS3017/3917 (Global Energy-Exploration & Exploitation),
 GEOS3014/3914 (GIS in Coastal Management), GEOS3018/3918 (Rivers: Science, Policy and Management) GEOS3511/3911 (Understanding Australia's Regions)

Human Geography stream

GEOS3053/3953 (Asia-Pacific field school-Assessment A),
 GEOS3054/3954 (Asia-Pacific field school-Assessment B),
 GEOS3513/3913 (Regional Development and Environment),

GEOG3522/3922 (Cities and Citizenship), GEOS3521/3921 (Sustainable Cities)

Geographic Computer Methods stream

GEOS3014/3914 (GIS in Coastal Management), GEOS3007/3917 (Remote Sensing: Imaging the Earth), GEOS3016/3916 (Seafloor Processes & Imaging).

Geology and Geophysics Major

The requirements for a major in Geology and Geophysics are defined in Table 1. Students are required to take two compulsory units (GEOS3101/3801 and the field studies unit GEOS3008/3908, as well as two of GEOS3102, GEOS3103, GEOS3104. These units provide students with a foundation training that prepares them for further study in an Honours or postgraduate coursework program as well as enabling them to enter the main professional fields of the discipline, eg. Resource and Energy Exploration, Engineering Geology, and Environmental Geology.

GEOS3008

Field Geology and Geophysics

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

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

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.

*Note: * Geoscience is the disciplines of Geography, Geology and Geophysics.*

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

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.

*Note: * Geoscience is the disciplines of Geography, Geology and Geophysics.*

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

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

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

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

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.

GEOS3513

Regional Development and Environment

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

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.

GEOS3913

Regional Development & Environment (Adv)

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 with a grade of Credit or better **Prohibitions:** ENVI3113, GEOS3513, GEOS3911 **Assessment:** In-class tests, essay, report

This unit of study is a more advanced version of GEOS3513. It includes more challenging assessment tasks.

GEOG3521

Sustainable Cities

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

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.

GEOS3522

Cities and Citizenship

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

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.

GEOS3101

Earth's Structure and Evolution

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

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

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

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

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

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

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

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.

GEOS3053

Asia-Pacific Field School-Assessment A

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

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.

The unit of study can be taken only in coincidence with GEOS 3054 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

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

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.

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.

GEOS3801

Earth's Structure and Evolutions (Adv)

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

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)

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

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)

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

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)

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

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)

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

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.

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)

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.

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.

Advanced students will complete the same core lecture material as for GEOS3009 but will carry out more challenging projects, practicals, assignments and tutorials.

GEOS3914

GIS in Coastal Management (Advanced)

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.

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.

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)

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.

Note: Department permission required for enrolment.

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)

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.

Advanced students will complete the same core lecture material as for GEOS3018, but will carry out more challenging projects, practicals, assignments and tutorials.

GEOG3921

Sustainable Cities (Adv)

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.

Advanced students will complete the same core lecture material as for GEOG3521, but will carry out more challenging projects, practicals, assignments and tutorials.

GEOS3922

Cities and Citizenship (Advanced)

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.

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)

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

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.

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)

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

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.

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.

Geography or Geology and Geophysics Honours

Offered February and July. Information sessions about Geography or Geology and Geophysics Honours are held for interested third year students during Second Semester. Students contemplating Honours in their fourth year should consider possible thesis topics and discuss these with potential staff supervisors. Entry into fourth year Honours will require completion of units in Intermediate and Senior Geoscience units (to be passed at the level of credit or better) and a satisfactory WAM. In some years when the number of applicants exceeds resources (availability of supervisors, laboratory space etc.) offers will be made according to academic merit. Students will be notified in January of their formal acceptance into the Honours program. Honours

students are required to undertake formal coursework during their first semester and to participate in seminars throughout the year as arranged. They will be required to study original problems, working as appropriate in the field, the laboratory, libraries, and in some instances in conjunction with other university or government departments. A dissertation of not more than 20 000 words must be submitted during the second semester, followed by an examination that may include both written and oral work. Further details relating to Geography Honours are available from Dr. Mel Neave (mneave@geosci.usyd.edu.au) Further details of Geology and Geophysics Honours are available from Dr. Michael Hughes (michaelh@mail.usyd.edu.au)

Geosciences Postgraduate Study

Details concerning fields of postgraduate study in Geology and Geophysics may be obtained from Dr Derek Wyman or the Head of School. Details concerning Geography may be obtained from A/Prof Deirdre Dragovich or the Head of School.

History and Philosophy of Science

History and Philosophy of Science allows students to enrich their knowledge of science and stand back from the specialised concerns of their other subjects by gaining a broader perspective on what science is, how it acquired its current form and how it fits into contemporary society. HPS is particularly relevant for students hoping to make careers in science policy, science administration, science education and science reporting. Any student with a genuine interest in science will derive benefit from study in HPS.

Course Advice

An advisor will be available in the Unit for History and Philosophy of Science during the enrolment period. The Unit is located on Level 4 of the Carlaw Building. More detailed information on courses is available either in a handbook from the Unit office or electronically via the Unit website <http://www.usyd.edu.au/hps/>. The Unit for History and Philosophy of Science offers the Junior unit of study Bioethics (HPSC1000), which analyses and discusses the ethical concerns raised by scientific accomplishments in modern society. Students interested in related topics should consider taking the unit Concepts and Issues in Physical Science (PHYS1600) offered in the School of Physics. This unit serves as useful background for further studies in HPS and is offered as an Arts unit for all students, including students enrolled in the Faculty of Science.

Junior units of study

HPSC1000

Bioethics

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

Note: This Junior unit of study is highly recommended to Intermediate and Senior Life Sciences students.

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

HPSC1900**Bioethics (Advanced)**

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.

Note: Department permission required for enrolment.

The topics covered by HPSC1000 - Bioethics will be treated in more depth, in a special tutorial set aside for Advanced students.

Textbooks
 Course reader

Intermediate units of study

There are two Intermediate units of study offered by the Unit for History and Philosophy of Science. They provide a broad background in the history and the philosophy of science, and a solid background for students in arts and science who wish to acquaint themselves with principles and methods in the history and philosophy of science. For students who wish to major in HPS, they provide essential background knowledge.

HPSC2100**The Birth of Modern 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.

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
 Henry, J. The Scientific Revolution and the Origins of Modern Science.
 Course reader

HPSC2101**What Is This Thing Called 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.

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

HPSC2900**The Birth of Modern Science (Advanced)**

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.

Note: Department permission required for enrolment.

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)**

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.

Note: Department permission required for enrolment.

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

Senior units of study

Students wishing to major in History and Philosophy of Science in either the BSc, BA or BLibSt must take 24 credit points from the following Senior units of study. Our Intermediate courses provide students with a background in the history and philosophy of science. HPSC3022 Science and Society, provides students with an essential background in the sociology of science. This unit of study is compulsory for majors in history and philosophy of science.

HPSC3002**History of Biological/Medical Sciences**

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.

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**

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.

Note: This unit will not be offered every year.

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

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.

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

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.

Note: This unit is a requirement for HPS majors.

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

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.

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

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.

Note: This unit will not be offered every year.

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

History and Philosophy of Science Honours

An Honours course in HPS is available to students of sufficient merit who have satisfied the requirements for the degree of BSc or BA or BLibSt with a major in HPS or another relevant area. Students who have obtained the TSP Certificate in HPS are also eligible for the Honours program. The Honours course consists of 48 points of Honours level units of study, which must include HPSC4201 HPS Research Project 1, HPSC4202 HPS Research Project 2, HPSC4203 HPS Research Project 3 and HPSC4204 HPS Research Project 4. In their final semester all students must also enrol in the zero credit point non-assessable unit HPSC4999. Students intending to proceed to Honours or to enrol in the Graduate Diploma in Science (HPS) are strongly advised to contact the Unit towards the end of the previous

academic year to discuss thesis topic and supervision. Note: Honours level (4000) Units of Study are 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. A number of our Honours-level courses are also open to students in the medical humanities and liberal studies.

HPSC4101

Philosophy of 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.

Note: Department permission required for enrolment.

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

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.

Note: Department permission required for enrolment.

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

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.

Note: Department permission required for enrolment.

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

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.

Note: Department permission required for enrolment.

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

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.

Note: Department permission required for enrolment.

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

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.

Note: Department permission required for enrolment.

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

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.

Note: Department permission required for enrolment.

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

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.

Note: Department permission required for enrolment.

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

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.

Note: Department permission required for enrolment.

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

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.

Note: Department permission required for enrolment.

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

Session: Semester 1, Semester 2 **Prerequisites:** Available only to students admitted to HPS Honours.

Note: Department permission required for enrolment.

All students in History and Philosophy of Science Honours must enrol in this non-assessable unit of study in their final semester.

Immunobiology major

The Discipline of Infectious Diseases and Immunology administers the Immunobiology Major. Our location is on Level 6, Blackburn Building D06. Further information from Helen Briscoe (phone: (02) 9351 7308, email: hbriscoe@med.usyd.edu.au). A major in Immunobiology requires successful completion of 12 credit points of Senior study in Immunology plus 12 credit points from the elective Senior units of study in Biochemistry, Biology, Cell Pathology, Molecular Biology and Genetics, Microbiology, Physiology or Virology listed in Table I. Participants in the Immunobiology major will select accompanying Senior units according to their particular interest. Concurrent study in the life science disciplines will add a depth of understanding in a particular aspect of immunology. Participants are invited to consult with Helen Briscoe and with elective unit of study co-ordinators before selecting concurrent study units and should note that a unit of study taken as part of the Immunobiology Major cannot count towards a major in another Science discipline area.

Immunology

Immunology is offered as Introductory Immunology (IMMU2101) at Intermediate level, Molecular and Cellular Immunology (IMMU3102) and Immunology in Human Disease (IMMU3202) at Senior level, and Immunology Honours. Further information can be obtained from Helen Briscoe (phone: (02) 9351 7308, email: hbriscoe@med.usyd.edu.au).

Immunology intermediate units of study

IMMU2101

Introductory Immunology

Credit points: 6 **Teacher/Coordinator:** A/Prof Helen Briscoe **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%)

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.

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.

Immunology senior units of study

IMMU3102

Molecular and Cellular Immunology

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

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.

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

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. *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.*

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

Immunology Honours

The Honours program in Immunology provides the opportunity for full-time research on a proposed project supervised by a staff member expert in that field. Experimental research, a seminar and a thesis constitute the major part of the program and of assessment. Guidance in research techniques is given in training programs covering experimental design, data analysis, written and oral communication and critical appraisal of the literature. Student contributions to this program are also assessed. In addition, a supplementary seminar program keeps students informed and abreast of wider issues in immunology.

Applying for Honours

Students are invited to apply for Honours enrolment during semester two of the year preceding Honours. Applicants should consult the Honours coordinator in the first instance. A list of possible research topics is provided, and students select projects of interest, speak with prospective supervisors and apply for permission to enrol, before the end of semester two. Within the constraints of availability, an attempt is made to assign students to the project of their choice.

General Requirements for Admission

Usually Honours candidates will have achieved a Credit in Senior Immunology units of study and will also have successfully completed Senior study in Biochemistry, Biology, Cell Pathology, Microbiology, Physiology or Virology. BSc candidates will have gained a major in Immunobiology, or a related discipline such as Biochemistry, Biology, Cell Pathology, Microbiology or Physiology. Usually Honours

candidates will have an overall SCIWAM of 65 or greater. Departmental permission is required for enrolment.

Honours coordinators

The Immunology Honours coordinator is Dr Allison Abendroth (allisona@med.usyd.edu.au, 9351 6867).

Information Technologies

Information Technologies in the Bachelor of Science degree

The School of Information Technologies is part of the Faculty of Engineering and Information Technologies. In addition to providing professional training in Computer Science and Information Systems leading toward bachelor level degrees, it offers many units of study that students who are enrolled in the Faculty of Science may take as a part of a major in either Information Systems or Computer Science or a minor in Information Technology. Details regarding the units of study required for the award of a Science major in Information Systems or Computer Science can be obtained from the Faculty of Science Handbook or from the school web site: <http://www.it.usyd.edu.au>

Special consideration applications for illness or misadventure

Students should note that applications for special consideration on grounds of illness or misadventure for COMP, INFO, ISYS or ELEC units are processed by the Faculty of Engineering

Minor in IT

Students enrolled in non-IT degrees or majors who, are eligible (upon application) for a Minor in Information Technology if they complete at least 18 credit points of intermediate or above units of study offered by the School of IT, within a completed degree. For further information, please refer to: http://www.it.usyd.edu.au/future_students/undergrad/minor.shtml

Advanced standing for Science students transferring to BIT, BCST or BCST (Advanced)

Students enrolled in Science degrees or Science graduates may obtain advanced standing towards the Bachelor of Information Technology, Bachelor of Computer Science and Technology or Bachelor of Computer Science and Technology (Advanced) degrees. Students wishing to undertake this option must seek academic advice from the School of Information Technologies. Further details regarding admission to the BIT, BCST or BCST(Advanced) may be obtained from the Engineering and Information Technologies handbook or from the Faculty Office.

Computer Science

The requirements for a major in Computer Science are defined in Table 1. Computer Science is a scientific discipline which has grown out of the use of computers to manage and transform information. It is concerned with the design of computers, their applications in science, government and business, and the formal and theoretical properties which can be shown to characterise these applications. The current research interests in the School include algorithms, bioinformatics, data management, data mining and machine learning, internet working, wireless networks, network computing, biomedical image processing, parallel and distributed computing, user-adaptive systems and information visualisation. The School has a range of computers and specialised laboratories for its teaching and research.

Information Systems

The requirements for a major in Information Systems are defined in Table 1. Information Systems is the study of people and organisations in order to determine, and deliver solutions to meet, their technological needs. Hence Information Systems deals with the following type of issues: strategic planning, system development, system implementation, operational management, end-user needs and education. Information Systems study is related to Computer Science but the crucial distinction is that the Information Systems is about the architecture of computer systems and making them work for people, whereas much of Computer Science is about developing and improving

the performance of computers. The School's research in Information Systems encompasses natural language processing, IT economics, social networking analysis, ontologies design, data mining and knowledge management and open source software.

Summer School: January-February

This School sometimes offers some units of study in The Sydney Summer School. Consult The Sydney Summer School web site for more information: www.summer.usyd.edu.au/

Computer Science and Information Systems junior units of study

See the School web site www.it.usyd.edu.au for advice on choosing appropriate units of study from this list.

INFO1003

Foundations of Information Technology

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.

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

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

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.

INFO1903

Informatics (Advanced)

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

Note: Department permission required for enrolment.

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

INFO1105

Data Structures

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

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.

INFO1905

Data Structures (Advanced)

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

An advanced alternative to INFO1105; covers material at an advanced and challenging level. See the description of INFO1105 for more information.

Computer Science and Information Systems intermediate units of study

It is important to choose second year subjects appropriately to keep options open for further study. See www.it.usyd.edu.au for advice.

COMP2007

Algorithms and Complexity

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.

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.

COMP2907

Algorithms and Complexity (Advanced)

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

An advanced alternative to COMP2007; covers material at an advanced and challenging level. See the description of COMP2007 for more information.

COMP2129

Operating Systems and Machine Principles

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 for INFO1103 **Assessment:** In-course involvement, assignments, quizzes and written exam.

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.

INFO2110

Systems Analysis and Modelling

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.

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

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.

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.

INFO2820

Database Systems 1 (Advanced)

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.

An advanced alternative to INFO2120; covers material at an advanced and challenging level. See the description of INFO2120 for more information.

INFO2315

Introduction to IT Security

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.

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.

ISYS2140

Information Systems

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.

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

Computer Science and Information Systems senior units of study in the BSc

Students are advised that doing less than 24 Senior credit points is not regarded as adequate preparation for a professional career in computing or for further study. Students are advised to balance their workload between semesters. It is important to choose second year subjects appropriately to keep options open for further study. See www.it.usyd.edu.au for advice.

COMP3109

Programming Languages and Paradigms

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.

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

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.

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

COMP3608**Intro. to Artificial Intelligence (Adv)**

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.

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

COMP3419**Graphics and Multimedia**

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.

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**

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.

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**

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.

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.

COMP3615**Software Development Project**

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.

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.

INFO3220**Object Oriented Design**

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.

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**

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.

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**

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.

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**

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.

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)

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.

An advanced alternative to INFO3404; covers material at an advanced and challenging level. See the description of INFO3404 for more information.

INFO3600

Major Development Project (Advanced)

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.
Note: Only available to students in BIT, BCST(Adv) or BSc(Adv)

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.

ISYS3400

Information Systems Project

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

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

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.

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

Computer Science or Information Systems Honours in the BSc

To be awarded Honours in Computer Science, a student must complete units of study (as specified below) to a total of 48 credit

points. Note that the Faculty requires that Honours be completed in two consecutive semesters of full-time study, or four consecutive semesters of part-time study; a single final grade and mark is given for the Honours course, as determined by the Faculty based on performance in Honours and in prior undergraduate study.

Honours units of study in Computer Science in the BSc

COMP4011

Computer Science Honours A

Credit points: 12 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 12 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 12 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 12 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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.

Honours units of study in Information Systems in the BSc

ISYS4301

Information Systems Honours A

Credit points: 12 **Session:** Semester 1, Semester 2

Note: Department permission required for enrolment.

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

Credit points: 12 **Session:** Semester 1, Semester 2 **Corequisites:** ISYS4301

See ISYS4301

ISYS4303**Information Systems Honours C****Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ISYS4302

See ISYS4301

ISYS4304**Information Systems Honours D****Credit points:** 12 **Session:** Semester 1, Semester 2 **Corequisites:** ISYS4303

See ISYS4301

Law units of study

The following units of study are only available to students in the Bachelor of Science/Bachelor of Laws degree. Please consult degree information in chapter 9, and the relevant Departments/Schools entries in this chapter for descriptions of other units of study required for this degree.

Curriculum Review

The Faculty of Law is undertaking a curriculum review, anticipated to be completed in 2007/2008. Combined law students are expected to complete 48 credit points of Law units of study in the first three years of the combined degree. Third year combined law students who are not able to accumulate 48 credit points of Law units of study using the unit of study codes in Table 2 as it appears in Chapter 9 must contact the Faculty of Law for alternative unit of study codes for Federal Constitutional Law and Law, Lawyers and Justice.

LAWS1006**Foundations of 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%)

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.

LAWS1010**Torts***This unit of study is not available in 2009*

Credit points: 6 **Teacher/Coordinator:** Mr Ross Anderson **Session:** Semester 2 **Classes:** (1x2hr seminar and 1x1hr seminar)/wk **Prerequisites:** LAWS1006 **Prohibitions:** LAWS1005, LAWS1012, LAWS3001 **Assessment:** 2x class tests (15% each) and 1x2hr exam (70%)

Note: Department permission required for enrolment. Note: Available to Combined Law candidates who commenced prior to 2007.

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, detinue 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.

LAWS1012**Torts**

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%)

Note: Available to candidates proceeding under the new LLB resolutions.

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**

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

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.

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**

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%)

Note: Available to candidates proceeding under the new LLB resolutions.

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**

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%)

Note: Available to candidates proceeding under the new LLB resolutions.

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**

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%)

Note: Available to candidates proceeding under the new LLB resolutions.

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**

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%).

Note: Available to candidates proceeding under the new LLB resolutions.

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**

Credit points: 6 **Teacher/Coordinator:** Dr Timothy Stephens (Combined), Mr Ross Anderson (Graduate) **Session:** Semester 1, Semester 2 **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: 1x1,500wd assignment (30%), 1x2hr final exam (70%), Tutorial Presentation (Pass/Fail). Graduate: 1x1hr class test (30%) and 1x2hr exam (70%).

Note: Available to candidates proceeding under the new LLB resolutions.

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**

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

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.

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.

LAWS2008**Contracts**

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%)

Note: Department permission required for enrolment. Note: Available to Combined Law candidates proceeding under the old LLB resolutions.

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**

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

Note: Department permission required for enrolment. Note: Available to Combined Law candidates proceeding under the old LLB resolutions.

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.

LAWS3003**Federal Constitutional 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

Note: Department permission required for enrolment. Note: Available to Combined Law candidates proceeding under the old LLB resolutions. Students will attend classes for LAWS2011.

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**

Credit points: 12 **Teacher/Coordinator:** Dr Rita Shackel **Session:** Semester 2 **Classes:** 2x2hr seminars/wk **Prerequisites:** LAWS1006 **Prohibitions:** LAWS1001, LAWS1007, LAWS2013, LAWS3002 **Assessment:** class participation, 1x2500wd assignment, 1x assignment, and 1x open book exam

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.

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.

Liberal Studies units of study

The Bachelor of Liberal Studies degree is offered jointly by the Faculties of Science and Arts. The Faculty of Arts administers the degree program. Liberal Studies students should consider the Faculty of Arts their home Faculty for administrative purposes. The following units of study form part of the requirements of the Bachelor of Liberal Studies degree. Please consult degree information in Chapter 2, the Tables earlier in this chapter, and the relevant Departments/Schools entries in this chapter for descriptions of other units of study required for this degree.

ENGL1007**Language, Texts and Time**

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

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.

LNGS1001**Structure of Language**

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)

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., Amberber, M. 2005. 'An Introduction to Language'. Fifth edition. Sydney: Harcourt.

Marine Science

The University of Sydney Institute of Marine Science (USIMS) provides for undergraduate units of study of a transdisciplinary nature in the marine sciences at the Intermediate, Senior and Honours levels. Staff from the School of Biological Sciences and the School of Geosciences teach these units. For further information on all units of study, please refer to the Marine Science website (www.usyd.edu.au/marine)

Marine Science Intermediate units of study

GEOS2115**Oceans, Coasts and Climate Change**

Credit points: 6 **Teacher/Coordinator:** Ass/Prof Dietmur 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)

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 structure 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.

GEOS2915**Oceans, Coasts and Climate Change (Adv)**

Credit points: 6 **Teacher/Coordinator:** Ass/Prof Dietmur 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)

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.

BIOL2018**Introduction to Marine Biology**

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.

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.

BIOL2918**Introduction to Marine Biology (Adv)**

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.

Note: Entry is restricted and selection is made from applicants on the basis of previous performance.

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

Marine Science senior units of study

Students can major in Marine Science, Marine Geoscience and Marine Biology by completing Senior units of study to a total worth of 24 credit points from the units listed in Table 1 for the respective majors. The marine science major is interdisciplinary so it must include at least one BIOL and one GEOS unit. Students in the specialist BSc (Marine Science) degree must enrol in a minimum of 36 credit points of Senior Marine Science units of study, which may include up to 3 Tropical Marine Science (NTMP) units, and which must include at least one BIOL and one GEOS unit. Students are encouraged to select those electives in which they have a particular interest, subject to certain conditions (see Table 1). Because of limited facilities available for some units of study, particularly in marine biology, it may be necessary to restrict number of students taking these electives. If this need arises selection will be based on academic merit and/or other courses completed. All students intending to enrol in any of the biology options must consult the booklet information for Students Considering Senior Biology Units of Study available from the School of Biological Sciences Office during the last few weeks of the academic year prior to this enrolment. Such students should also complete a preliminary enrolment form in the School of Biological Sciences before first semester commences.

Descriptions of senior Marine Science options

Students should consult electives as listed in this chapter under Biological Sciences and Geosciences in this handbook. BIOL3006 Ecological Methods; BIOL3007 Ecology; BIOL3008 Marine Field Ecology; BIOL3011 Ecophysiology; BIOL3013 Marine Biology; GEOS3009 Coastal Environments and Processes; GEOS3014 GIS in Coastal Management; GEOS3015 Environmental Geomorphology; GEOS3018 Rivers: Science, Policy and Management; GEOS3103 Environmental & Sedimentary Geology; GEOS3104 Geophysical Methods (Plus Advanced versions of the above - BIOL39XX, GEOS39XX).

Marine Sciences Honours

The structure of Honours in Marine Science will be about one third formal coursework, seminars and reading, and about two thirds devoted to preparation of a thesis on a topic with a clear marine or estuarine orientation. The formal coursework may comprise units of study mainly chosen from existing Honours options offered in the Department of the student's principal interest. Background study in a subsidiary field of interest may be required. Students may commence Honours in either semester 1 or semester 2. Generally, Honours enrolments will be with the School in which the project research is undertaken.

Admission to Honours

In general, a Credit average or better in Senior Marine Sciences units of study and at least a Pass in another Senior unit of study are required for entry. Arrangements for the supervision and School of primary location of students will be made in the light of their proposed thesis topic. Joint supervision involving staff of more than one School may be arranged if a thesis topic is deemed to be transdisciplinary. Upon acceptance, students should register formally with the Undergraduate Advisor of USIMS.

Tropical Marine Network Program

Students enrolled in the BSc (Marine Science) are eligible to enrol in units of study offered as part of the Tropical Marine Network Program. This is a joint program of the University of Sydney, the University of Queensland and James Cook University, which offers four units of study in tropical marine science, all taught at marine island research stations off the Queensland coast. Students majoring in Marine Science or Marine Geoscience but who are not enrolled in the BSc (Marine Science) may be eligible for enrolment in some TMNP units subject to places available.

Stations used

The following stations will be used: Lizard Island (Australian Museum field station, north of Cairns); Orpheus Island (James Cook University field station, off Townsville); Heron Island (University of Queensland field station, off Gladstone); One Tree Island (University of Sydney field station, off Gladstone); North Stradbroke Island (University of Queensland field station, off Brisbane)

Teaching and assessment

The four units of study, each worth 6 credit points, are conducted as field schools offered only during the Easter (Semester 1 mid-semester) break and the July mid-year break. Each field school will run for approximately 10 days. Assessment will be based on participation and reports completed during the field school, and an assignment to be completed following the field school. The Coral Reef Ecosystems unit and the Coastal Management unit will be offered each year, together with one of the other two units. Students may enrol in these units in academic year 2 and year 3 as part of the BSc (Marine Science). Students enrolling in these units of study will be selected from the three participating Universities, as well as some overseas Study Abroad students. Preference will however be given to students enrolled in the program at the three participating universities.

Quotas on numbers of students enrolling in NTMP units

Owing to the size of facilities and accommodation at the island research stations all units will have a quota with entry based on merit. There are no Advanced versions of these units. For further information on the availability and timing of these units please refer to the website: www.usyd.edu.au/marine.

NTMP3001

Coral Reef Ecosystems

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.

Note: Department permission required for enrolment.

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.

NTMP3003

Fisheries Biology and Management

This unit of study is not available in 2009

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

Note: Department permission required for enrolment.

Fisheries Biology and Management 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 quantitative fisheries biology in tropical marine environments. Emphasis is given to sampling design and hypothesis testing, underwater visual census surveys, fishery surveys, assessments of habitat types, and tagging and trapping of organisms. Most field aspects will be covered while diving and data storage will be dealt with at the end of each day. The assessment will focus on the manipulation of data and reporting.

NTMP3004 Aquaculture

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.

Note: Department permission required for enrolment.

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

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.

Note: Department permission required for enrolment. Note: These units are only available to BSc (Marine Science) students. Department permission required for enrolment

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.

Mathematics and Statistics

The School of Mathematics and Statistics offers units of study in Applied Mathematics, Mathematical Statistics and Pure Mathematics. The Junior units of study cover a range of topics in mathematics and statistics and are offered at four levels, viz. Introductory, Life Sciences, Normal and Advanced, to suit various levels of previous knowledge. Intermediate, Senior and Honours units of study are mostly provided within one of the subject areas of Applied Mathematics, Mathematical Statistics and Pure Mathematics.

Applied Mathematics

Applied Mathematics is concerned with the development of mathematical and computing methods and their application in particular contexts which may arise in the natural sciences, engineering, economics or the social sciences. Units of study are designed to give training to students who will specialise in other subjects, and also for training applied mathematicians. While mathematical rigour is not neglected, particular emphasis is given to questions such as the treatment of observational models which are relevant to particular contexts.

Mathematical Statistics

Mathematical Statistics is concerned with the theory of probability and the mathematical methods of statistics applied to such problems as statistical inference, the design of experiments and sample surveys, and all problems of data analysis. The major units of study are designed to train those who wish to become professional statisticians,

tertiary teachers and research workers, but there are units of study which provide a knowledge of statistical methods and techniques for students specialising in other fields.

Pure Mathematics

Pure Mathematics units of study have two main aims. One of these is to equip students with the background of mathematical knowledge, understanding and skill necessary for units of study in many branches of science. The other is the provision of training in pure mathematics necessary for those who wish to make a career in mathematics. This might be either in teaching or research or in one of the many avenues where highly developed mathematical ability and a thorough knowledge of modern mathematical techniques are required, such as computing, operations research, management, finance and economics. Website: Further information about all units of study is available at www.maths.usyd.edu.au/Teaching.html

Summer School

This School offers some units of study in The Sydney Summer School (January-February). Consult The Sydney Summer School website for more information: www.summer.usyd.edu.au/

Mathematics Junior units of study

Various combinations of Junior units of study may be taken, subject to the prerequisites listed. Often specific Junior units of study are prerequisites for Mathematics and Statistics units in the Intermediate and Senior years. Before deciding on a particular combination of Junior units of study, students are advised to check carefully the prerequisites relating to Mathematics for all units of study.

Junior introductory unit of study

Students who have not studied a calculus course at high school may enrol in the Introductory Calculus 6-credit point unit.

MATH1111 Introduction to Calculus

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

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.

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

Junior Life Sciences units of study

Life Sciences units of study are designed to provide students with an overview of the necessary mathematical and statistical background for studies in the Life Sciences. They are provided for students in the Faculty of Science whose major interest lies outside mathematics. There are more details in the Junior Mathematics Handbook, available from the School at the time of enrolment.

Assumed knowledge

Knowledge equivalent to the HSC 2-unit Mathematics course is assumed. Students who do not have this knowledge are strongly advised to attend a bridging course conducted jointly by the School and the Mathematics Learning Centre in February.

Relationship of Life Sciences units to other units of study and recommendations

The four Life Science units of study together give 12 credit points of mathematics, which is the minimum required by the BSc degree regulations. Students obtaining a Distinction in MATH1011 are

encouraged to enrol in normal units of study in subsequent semesters. Students obtaining a Distinction or better in MATH1011, 1012 or 1013 may proceed to Intermediate units of study in the Mathematics Discipline Area. Students with a Credit or better in MATH1011 and a Pass or better in MATH1015 may proceed to Intermediate units of study in the Statistics discipline area. Students with a Pass in only MATH1015 are limited to the Intermediate Statistics units of study STAT2011 and STAT2012.

MATH1011

Life Sciences Calculus

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.

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

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.

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

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

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

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.

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

Mathematics and Statistics Normal units of study

Normal units of study are designed for students who have both the necessary background and the interest in mathematics and who need to study mathematics beyond Junior units of study in order to satisfy their own aspirations or degree requirements. There are more details of these units of study in the Junior Mathematics Handbook, available from the School at the time of enrolment.

Assumed knowledge

For the units MATH1001, MATH1002 and MATH1004, knowledge equivalent to the HSC Mathematics Extension 1 course is assumed. The assumed knowledge for MATH1005 is HSC 2-unit Mathematics. For MATH1003 the assumed knowledge is MATH1001 or HSC Mathematics Extension 2.

Relation to other units of study and recommendations

Students should take at least two units of study in each semester in order to meet the minimum requirement of 12 credit points of Mathematics in the BSc award course. The usual enrolment for Normal level students is in the three units MATH1001, MATH1002, MATH1003 and (at least) one of MATH1004 and MATH1005. Passes in Junior units of study at this level qualify students to proceed to Intermediate units of study in Mathematics and Statistics. Students should note however that some Intermediate units of study in both Mathematics and Statistics require specific Junior units of study to be passed as prerequisites. Students obtaining a Credit or better in Normal units of study may enrol in other Advanced units of study.

MATH1001

Differential Calculus

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.

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

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.

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

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.

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

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.

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

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.

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

Mathematics and Statistics Junior Advanced units of study

Advanced units of study are designed for students who have a strong background and a keen interest in mathematics and who need to study mathematics at a higher level to satisfy their own aspirations or degree requirements. All students aiming for high achievement, such as an Honours degree or postgraduate study, are advised to enrol in Advanced units of study.

Content

The unit of study content is similar in outline to that of the Normal units of study above but proceeds more deeply and at a faster rate, covers more difficult material and requires more mathematical sophistication. There are more details of these units of study in the Junior Mathematics Unit of Study Handbook, available from the School at the time of enrolment.

Assumed knowledge

Knowledge equivalent to the HSC Mathematics Extension 2 course is assumed. Students who have a very good result in the equivalent of the HSC Mathematics Extension 1 course may be permitted to enrol in these units of study after discussion with a Mathematics adviser.

Relation to other units of study and recommendations

Students should take two units of study in each semester in order to meet the minimum requirement of 12 credit points of Mathematics in the BSc award course. The usual enrolment for Advanced level students is in the units MATH1901, MATH1902, MATH1903 and MATH1905. Passes in Junior units of study at this level qualify students to proceed to Intermediate units of study in Mathematics and Statistics at the Advanced level. It should be noted that some Intermediate and Senior units of study in both Mathematics and Statistics require specific Junior units of study as prerequisites. Students who are awarded at least a Credit grade in this level are encouraged to proceed to Intermediate units of study in Mathematics and Statistics at the Advanced level. Enrolment in MATH1906 or MATH1907 is by invitation only.

MATH1901

Differential Calculus (Advanced)

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.

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)

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.

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

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.

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)**

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.

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**

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.

Note: Department permission required for enrolment.

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**

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.

Note: Department permission required for enrolment.

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.

Mathematics Intermediate units of study

The School of Mathematics provides a range of Intermediate units of study, each worth 6 credit points covering a variety of topics in Pure and Applied Mathematics. A normal Intermediate load in a discipline is 12 credit points and this is the minimum that should be undertaken by anyone intending to specialise in Senior Mathematics. The units of study are taught at either the Normal or the Advanced level. Entry to an Advanced unit of study usually requires a Credit or better in a Normal level prerequisite or a Pass in an Advanced level prerequisite. For ease of overview the units of study are arranged under Pure, for students wishing to specialise in Pure Mathematics, and Applied, for those wishing to specialise in Applied Mathematics. Several units of study are suitable for either. Details of each unit of study appear below whilst full details of unit of study structure, content and examination procedures are provided in the Second Year Mathematics Handbook available from the School at the time of enrolment.

Pure units of study (each 6 credit points)

Algebra (Adv) MATH2968; Discrete Maths & Graph Theory MATH2069; Discrete Maths & Graph Theory (Adv) MATH2969; Linear Mathematics & Vector Calculus MATH2061; Linear Mathematics & Vector Calculus (Adv) MATH2961; Number Theory and Cryptography MATH2068; Real and Complex Analysis (Adv) MATH2962

Applied units of study (each 6 credit points)

Introduction to Partial Differential Equations MATH2065; Introduction to Partial Differential Equations (Adv) MATH2965; Linear Mathematics & Vector Calculus MATH2061; Linear Mathematics & Vector Calculus (Adv) MATH2961; Mathematical Computing & Nonlinear Systems MATH2063; Mathematical Computing & Nonlinear Systems (Adv) MATH2963; Optimisation & Financial Mathematics MATH2070; Optimisation & Financial Mathematics (Adv) MATH 2970

Relation to other units of study and recommendations

In general, 2 units of study (12 credit points) of Intermediate mathematics are needed to progress to a Senior Mathematics unit of study. If your major interest is in mathematics, then you are strongly encouraged to enrol in at least 3 units of study in Intermediate Mathematics. If you are considering doing Honours in mathematics, they should include some Advanced units of study. Students intending to specialise in Applied Mathematics are encouraged to include MATH2061 or 2961, and MATH2065 or 2965. Students intending to specialise in Pure Mathematics should include MATH2061 or 2961. Students considering Honours in Pure Mathematics should also take MATH2962 and MATH2968. Computer Science students may like to include MATH2069 or 2969 among their choices. Physics students would be well-advised to choose MATH2061 or 2961, and MATH2065 or 2965. Prospective teachers of mathematics should consider MATH2061 and 2068.

MATH2916**Working Seminar A (SSP)**

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.

Note: Department permission required for enrolment.

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)**

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.

Note: Department permission required for enrolment.

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.

MATH2061**Linear Mathematics and Vector Calculus**

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

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, through cylinders, spheres and parametrised surfaces), Gauss' Divergence Theorem and Stokes' Theorem.

MATH2961

Linear Mathematics & Vector Calculus Adv

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

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)

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

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.

MATH2063

Math Computing and Nonlinear Systems

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

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.

MATH2963

Math Computing & Nonlinear Systems (Adv)

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

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.

MATH2065

Partial Differential Equations (Intro)

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

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.

MATH2965

Partial Differential Equations Intro Adv

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

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.

MATH2068

Number Theory and Cryptography

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

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.

MATH2988

Number Theory and Cryptography Advanced

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

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.

MATH2968 Algebra (Advanced)

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

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.

MATH2069 Discrete Mathematics and Graph Theory

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

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.

MATH2969 Discrete Mathematics & Graph Theory Adv

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

This unit will cover the same material as MATH2069 with some extensions and additional topics.

MATH2070 Optimisation and Financial Mathematics

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

Note: Students may enrol in both MATH2070 and MATH3075 in the same semester

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.

MATH2970 Optimisation & Financial Mathematics Adv

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

Note: Students may enrol in both MATH2970 and MATH3975 in the same semester

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.

Mathematics Senior units of study

The School of Mathematics and Statistics provides a range of senior units of study in the Science Subject Area MATH. (The separate Science Subject Area STAT is dealt with in the next section.) Each unit of study is worth 6 credit points; students wishing to obtain a major in mathematics must therefore take at least 4 units of senior mathematics, while those wishing to obtain a double major must take 8. To proceed to honours in either Applied Mathematics or Pure Mathematics, students must have a major in mathematics. Honours entry is further restricted to students attaining a sufficiently high average mark in their senior year. Students interested in doing honours should consult the School to find out the precise details, and obtain advice on an appropriate senior year program. As well as majors in Mathematics and Statistics, the School offers a major in Financial Mathematics and Statistics. The precise requirements for this major can be found in Table 1. Alternatively, consult the School directly.

Normal and Advanced

Each unit of study is designated either as "Normal" or "Advanced". Advanced units have more stringent prerequisites than normal units, and are significantly more demanding. Although the precise requirements vary from unit to unit, it is generally inadvisable for a student who has not achieved a Credit average in intermediate level mathematics to attempt an advanced senior mathematics unit.

Semester 1

MATH3063 Differential Equations and Biomaths; MATH3065 Logic and Foundations; MATH3076 Mathematical Computing; MATH3961 Metric Spaces (Advanced); MATH3962 Rings, Fields and Galois Theory (Adv); MATH3963 Differential Equations and Biomaths (Adv); MATH3976 Mathematical Computing (Advanced)

Semester 2

MATH3061 Geometry and Topology; MATH3062 Algebra and Number Theory; MATH3067 Information and Coding Theory (Not offered in 2009) MATH3075 Financial Mathematics; MATH3078 PDEs and Waves; MATH3964 Complex Analysis with Applications (Advanced) (Not offered in 2009) MATH3966 Modules and Group Representations (Adv); MATH3968 Differential Geometry (Adv); MATH3969 Measure Theory & Fourier Analysis (Adv); MATH3974 Fluid Dynamics (Advanced); MATH3975 Financial Mathematics (Advanced); MATH3977 Lagrangian & Hamiltonian Dynamics (Adv); MATH3978 PDEs and Waves (Advanced)

Relation to other units of study and recommendations

In general, 4 units of study (24 credit points) are required in order to major in Mathematics and a credit average is required to progress to an Honours year. Potential Honours students are strongly encouraged to include one or more Advanced level unit(s) of study and seek advice

from a Senior year coordinator. Particular combinations would be suitable for students with special interests.

Computer Science students

MATH3065, MATH3962, MATH3076/3976, MATH3062, MATH3067, MATH3966, MATH3061, MATH3075/3975.

Engineering (BSc/BE) students

MATH3961, MATH3068, MATH3063/3963, MATH3065, MATH3974, MATH3076/3976, MATH3969, MATH3078/3978, MATH3968, MATH3067, MATH3977, MATH3964, MATH3075/3975.

Physics or Chemistry students

MATH3061/3961, MATH3068, MATH3962, MATH3063/3963, MATH3065, MATH3974, MATH3076/3976, MATH3969, MATH3966, MATH3968, MATH3078/3978, MATH3964, MATH3977, 3075/3975, MATH3067.

Prospective teachers of Mathematics

MATH3065, MATH3068, MATH3063/3963, MATH3962, MATH3961, MATH3076/3976, MATH3067, MATH3062, MATH3061, MATH3078/3978.

MATH3061

Geometry and Topology

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.

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.

MATH3961

Metric Spaces (Advanced)

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

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.

MATH3062

Algebra and Number Theory

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

Note: Students are advised to take MATH(2068 or 2968) before attempting this unit.

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. Carlsaw 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.

MATH3962

Rings, Fields and Galois Theory (Adv)

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

Note: Students are advised to take MATH2968 before attempting this unit.

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.

MATH3063

Differential Equations & Biomaths

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

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.

MATH3963

Differential Equations & Biomaths (Adv)

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

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.

MATH3964

Complex Analysis with Applications (Adv)

This unit of study is not available in 2009

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:** MATH3904, MATH3915 **Assumed knowledge:** MATH2962 **Assessment:** One 2 hour exam, assignments and quizzes

This unit continues the study of functions of a complex variable and their applications introduced in the second year unit Real and Complex Analysis (MATH2962). It is aimed at highlighting certain topics from analytic function theory and the analytic theory of differential equations that have intrinsic beauty and wide applications. This part of the analysis of functions of a complex variable will form a very important background for students in applied and pure mathematics, physics, chemistry and engineering.

The course will begin with a revision of properties of holomorphic functions and Cauchy theorem with added topics not covered in the second year course. This will be followed by meromorphic functions, entire functions, harmonic functions, elliptic functions, elliptic integrals, analytic differential equations, hypergeometric functions. The rest of the course will consist of selected topics from Greens functions, complex differential forms and Riemann surfaces.

MATH3065

Logic and Foundations

Credit points: 6 **Session:** Semester 1 **Classes:** Three 1 hour lectures and one 1 hour tutorial per week. **Prerequisites:** 6 credit points of Intermediate Mathematics **Prohibitions:** MATH3005 **Assessment:** One 2 hour exam, tutorial tests, assignments.

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.

MATH3966

Modules and Group Representations (Adv)

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

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 deal with the decomposition of representation into simple constituents, the remarkable theory of characters, and orthogonality relations which these characters satisfy.

MATH3067

Information and Coding Theory

This unit of study is not available in 2009

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:** MATH3007, MATH3010 **Assessment:** One 2 hour exam, tutorial tests, assignments.

The related theories of information and coding provide the basis for reliable and efficient storage and transmission of digital data, including techniques for data compression, digital broadcasting and broadband internet connectivity. The first part of this unit is a general introduction to the ideas and applications of information theory, where the basic concept is that of entropy. This gives a theoretical measure of how much data can be compressed for storage or transmission. Information theory also addresses the important practical problem of making data immune to partial loss caused by transmission noise or physical damage to storage media. This leads to the second part of the unit, which deals with the theory of error-correcting codes. We develop the algebra behind the theory of linear and cyclic codes used in modern digital communication systems such as compact disk players and digital television.

MATH3068

Analysis

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.

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.

MATH3968

Differential Geometry (Advanced)

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

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)

Credit points: 6 **Session:** Semester 2 **Classes:** Three 1 hour lectures and one 1 hour tutorial 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

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)

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

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.

MATH3075

Financial Mathematics

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

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.

MATH3975

Financial Mathematics (Advanced)

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

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.

MATH3076

Mathematical Computing

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 MATH(1001 or 1003 or 1901 or 1903 or 1906 or 1907) **Prohibitions:** MATH3976, MATH3016, MATH3916 **Assessment:** One 2 hour exam, assignments, quizzes

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.

MATH3976

Mathematical Computing (Advanced)

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

See entry for MATH3076 Mathematical Computing.

MATH3977

Lagrangian & Hamiltonian Dynamics (Adv)

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

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.

MATH3078

PDEs and Waves

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

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.

MATH3978

PDEs and Waves (Advanced)

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

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.

Statistics Intermediate units of study

The School of Mathematics and Statistics provides Intermediate units of study, each worth 6 credit points, in Statistics. A normal Intermediate load in a discipline is 12 credit points and students intending to specialise in Senior Statistics should take 2 units of study (12 credit points) of Intermediate Statistics. Topics are offered at Normal and Advanced levels and may not be counted together. Further information follows, whilst details of units of study structure, content and assessment procedures are provided in the Intermediate Year Unit of Study Handbook available from the School at the time of enrolment. The units of study (each 6 credit points) are listed below:

First semester

Statistical Models STAT2011; Probability and Statistical Models (Adv) STAT2911

Second semester

Statistical Tests STAT2012; Statistical Tests (Advanced) STAT2912

Relation to other units of study and recommendations

Students should note that all Senior Statistics units of study have statistics prerequisites and some require MATH1003 or 1903 or MATH1002 or 1902. MATH2061 or MATH2961 is also desirable. If your major interest is statistics, then you are encouraged to enrol in 2 units of study (12 credit points) in Intermediate Statistics. If you are considering doing Honours in Statistics, these units of study should be the Advanced units of study, and choices from Intermediate Mathematics should include at least MATH2061 or 2961. If you do not intend to major in Statistics but want a solid introduction to Applied Statistics, you should take STAT2012 in your second semester.

STAT2011

Statistical Models

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.

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.

STAT2911

Probability and Statistical Models (Adv)

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.

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.

STAT2012

Statistical Tests

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.

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.

STAT2912

Statistical Tests (Advanced)

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, STAT2912 **Assumed knowledge:** STAT (2911 or 2901) **Assessment:** One 2 hour exam, assignments and/or quizzes, and computer practical reports.

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.

Statistics senior units of study

The School of Mathematics and Statistics provides several Senior units of study, each worth 6 credit points, in Statistics. Students wishing to major in Statistics should take 4 units of study (24 credit points) of Senior Statistics. Some topics are offered at Normal and Advanced levels and may not be counted together. Entry to some Advanced

units of study requires a Credit or better in a Normal level prerequisite or a Pass or better in an Advanced level prerequisite. Further information follows, whilst details of unit of study structure, content, and assessment procedures are provided in the Senior Units of Study Handbook available from the School at the time of enrolment. The units of study (each 6 credit points) are listed below:

First semester

STAT3011 Stochastic Processes and Time Series; STAT3911 Stochastic Processes and Time Series Adv; STAT3012 Applied Linear Methods; STAT3912 Applied Linear Methods Advanced

Second semester

STAT3013 Statistical Inference; STAT3913 Statistical Inference Advanced; STAT3014 Applied Statistics; STAT3914 Applied Statistics Advanced

Relation to other units of study and recommendations

In general 4 units of study (24 credit points) are required in order to major in Statistics, and a Credit average is required to progress to an Honours year. Potential Honours students are expected to include at least two Advanced level units of study. Students intending to major in Statistics should choose 2 units of study of Senior Statistics each semester, making 24 credit points in total.

STAT3011

Stochastic Processes and Time Series

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.

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.

STAT3911

Stochastic Processes and Time Series Adv

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.

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.

STAT3012

Applied Linear Methods

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.

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.

STAT3912

Applied Linear Methods Advanced

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.

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.

STAT3013

Statistical Inference

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.

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.

STAT3913

Statistical Inference Advanced

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.

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.

STAT3014

Applied Statistics

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.

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.

STAT3914**Applied Statistics Advanced**

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.

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.

BIOM3006**Statistics for the Natural Sciences**

Credit points: 6 **Teacher/Coordinator:** Dr Thomas Bishop **Session:** Semester 2 **Classes:** (2x1 hr workshops, 1x3 hr practical)/wk **Prerequisites:** BIOM2001 or STAT3012 **Assessment:** 1x3 hour exam (40%), 1 major report (20%), weekly practical assignments (40%)

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.

Medical Science units of study**Bachelor of Medical Science junior units of study**

All prerequisite and corequisite units of study, details of staff, examinations, units of study delivery and descriptions are as described under the appropriate Department or School entry in this chapter.

Bachelor of Medical Science Intermediate Core units of study**BMED2801****Cell Structure and Function**

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

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**

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.

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**

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

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

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.

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

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

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

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

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

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.

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

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.

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.

Bachelor of Medical Science Senior Core units of study

Students are required to complete at least 36 credit points of Senior units of study chosen from the core subject areas of Anatomy and Histology, Biology (Genetics), Biochemistry, Cell Pathology, Immunology, Infectious diseases, Microbiology, Pharmacology and Physiology, as listed in Table IV. Descriptions are listed here and under the relevant department headings in this chapter where the units are offered by other Schools/Departments in the faculty.

INFD3012

Infectious Diseases

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%.

Note: The completion of MICR3011 is strongly recommended prior to undertaking this course.

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

Bachelor of Medical Science Honours

The Bachelor of Medical Science Honours degree is governed by regulations of the Senate and of the Faculty of Science as described in chapter 5. An Honours degree may be taken by students of sufficient merit in any of the Departments offering Senior level core units. Entry to Honours units is regulated by individual Departments and the exact detail of Honours programs also varies from Department to Department. Students interested in undertaking Honours should consult the relevant Department for further details.

Medical Science Honours - Infectious Diseases Honours

The Honours program in Infectious Diseases provides the opportunity for full-time research on a proposed project supervised by a staff member expert in that field. Experimental research, a seminar and a thesis constitute the major part of the program and of assessment. Guidance in research techniques is given in training programs covering experimental design, data analysis, written and oral communication and critical appraisal of the literature. Student contributions to this program are also assessed. In addition, a supplementary seminar program keeps students informed and abreast of wider issues in infectious diseases.

Applying for admission to Infectious Diseases Honours

Students are invited to apply for Honours enrolment during semester two of the year preceding Honours. Applicants should consult the Honours coordinator in the first instance. A list of possible research topics is provided, and students select projects of interest, speak with prospective supervisors and apply for permission to enrol, before the end of semester two. Within the constraints of availability, an attempt is made to assign students to the project of their choice. Usually Honours candidates will have achieved a Credit in the senior unit Infectious Diseases and will also have successfully completed Senior study in Biochemistry, Microbiology, or Virology. Usually Honours candidates will have an overall SCIAM of 65 or greater. Departmental permission is required for enrolment.

Medicinal Chemistry

Medicinal Chemistry is an interdisciplinary major offered within the BSc. It is concerned with the chemistry underpinning the design, discovery and development of new pharmaceuticals, and is jointly administered by the School of Chemistry and the Department of Pharmacology. Medicinal Chemistry examines why some types of chemical compounds are toxic, why some have therapeutic value, and the mode of drug action at the molecular level. A major in Medicinal Chemistry includes the study of natural and synthetic compounds of biological and medicinal importance, how molecules interact with each other and how specific molecules can influence metabolic pathways in living organisms. A student seeking to complete this major will study Junior and Intermediate Chemistry, and also Intermediate Pharmacology, as prerequisites for the Senior units of study. Refer to Table 1 for an enrolment guide and to entries under the contributing schools and departments for unit descriptions.

Microbiology

The discipline of Microbiology in the School of Molecular and Microbial Biosciences offers units of study that equip students for a career in Microbiology in fields of health, industry and basic research. In addition, it provides introductory units of study to students of agriculture, pharmacy and science. These units of study will help students who wish to specialise in related fields where microorganisms are often used in studying life processes, e.g. biochemistry, genetics and botany.

Microbiology Intermediate units of study

MICR2021

Microbial Life

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.

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).

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

MICR2921

Microbial Life (Advanced)

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.

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).

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

MICR2022

Microbes in Society

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 **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.

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).

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.

MICR2922

Microbes in Society (Advanced)

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. 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

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).

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

MICR2024

Microbes in the Environment

Credit points: 6 **Teacher/Coordinator:** Dr Andrew Holmes **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.

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).

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

Microbiology Senior units of study

MICR3011

Microbes in Infection

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

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.

MICR3911

Microbes in Infection (Advanced)

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.

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.

MICR3012

Molecular Biology of Pathogens

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.

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

MICR3912

Molecular Biology of Pathogens (Adv)

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.

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

MICR3022

Microbial Biotechnology

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.

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 proteomes 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).

MICR3922**Microbial Biotechnology (Advanced)**

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.

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.

VIRO3001**Virology**

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

Note: Students are very strongly advised to complete VIRO (3001 or 3901) before enrolling in VIRO3002 Medical and Applied Virology in Session 2.

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

VIRO3901**Virology (Advanced)**

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.

Note: Students are very strongly advised to complete VIRO (3001 or 3901) before enrolling in VIRO3002 Medical and Applied Virology in Session 2.

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

VIRO3002**Medical and Applied Virology**

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.

Note: Students are very strongly recommended to complete VIRO(3001 or 3901) before enrolling in VIRO3002 Medical and Applied Virology in Semester 2.

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

Microbiology Honours

During the Honours year, students will be involved in a research program to produce a thesis under the direction of a supervisor. A seminar at the end of the year will also be given to provide a summary of the research project. Students are also expected to broaden their general knowledge of Microbiology through attendance at research seminars and through a coursework component consisting of six tutorials during their first semester which will cover diverse aspects of the subject and an exam based on the critical evaluation of scientific manuscripts. An expression of interest in Honours is required from students before the Honours year, on a form to be lodged with the Honours Coordinator. Entry into the Honours year is usually dependent on an average of Credit level performance in Senior Microbiology units of study. Additionally, strong students with related training may be admitted by permission of the Head of School.

Molecular Biology and Genetics

Molecular Biology and Genetics units of study in at Junior and Intermediate level will be taught by staff from the School of Molecular and Microbial Biosciences and the School of Biological Sciences. The Junior unit, MBLG1001, and the Intermediate unit, MBLG2071/2971, are coordinated by the School of Molecular and Microbial Biosciences, while MBLG 2072/2972 is coordinated by the School of Biological Sciences.

MBLG1001**Molecular Biology and Genetics (Intro)**

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

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.

MBLG1999

Molecular Biology & Genetics Seminar A

Session: Semester 2 **Classes:** Four 1 hour seminars per semester. **Corequisites:** MBLG1001 or MBLG1901 **Assessment:** There will be no assessment for this unit.

Note: Only available in the BSc(MBG) and MBLG1901

This unit consists of four introductory molecular biology and genetics research based seminars.

MBLG2071

Molecular Biology and Genetics A

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.

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.

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

MBLG2971

Molecular Biology and Genetics A (Adv)

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.

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.

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.

MBLG2072

Molecular Biology and Genetics B

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 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%).

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.

MBLG2972

Molecular Biology and Genetics B (Adv)

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%).

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.

MBLG3999

Molecular Biology & Genetics Seminar B

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.

Note: Only available to students enrolled in the BSc(MBG) degree or the BCHM3972 course

This unit consists of four advanced molecular biology and genetics research based seminars.

Molecular Biotechnology

The following units of study are only available to students in the Bachelor of Science (Molecular Biotechnology) degree. Please consult degree information in chapter 4, and the relevant Departments/Schools entries in this chapter for descriptions of other units of study required for this degree.

MOBT2102

Molecular Biotechnology 2

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.

Note: This unit of study is only available to students in enrolled the BSc (Molecular Biotechnology) degree.

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, university 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)

MOBT3101

Molecular Biotechnology 3A

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.

Note: NB: This unit of study is only available to students enrolled in the BSc (Molecular Biotechnology) degree.

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

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

Note: This unit of study is only available to students enrolled in the BSc (Molecular Biotechnology) degree.

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)

School of Molecular and Microbial Biosciences

The School brings together the disciplines of Biochemistry, Microbiology, Molecular Biotechnology and Nutrition, with separate study codes BCHM, MICR, MOBT [see Table IE for details of the BSc (Molecular Biotechnology)] and NUTR [see Table IF for details of the BSc (Nutrition)]. Significant contributions are also made to the Intermediate faculty units of study in Molecular Biology and Genetics with study code MBLG [see Table ID for details of the BSc (Molecular Biology and Genetics)] and to the units of study in Molecular Biotechnology [see Table IE for details of the BSc (Molecular Biotechnology)].

Location of unit descriptions

Unit descriptions are located under separate headings in this chapter: Biochemistry (BCHM); Microbiology (MICR); Molecular Biology and Genetics (MBLG); Molecular Biotechnology (MOBT); Molecular Biology and Genetics; Nutrition (NUTR).

Location

The School is located in the Biosciences Biochemistry and Microbiology Building (G08), across near City Road in the Darlington area behind the Wentworth Building.

Nanoscience and Technology

Nanoscience and Technology is an interdisciplinary major offered within the BSc. It is directed at students interested in understanding the emerging science of working and building at and near the molecular level. It incorporates study of the fundamental sciences in order to understand the structure of matter, as well as technological elements of the mechanical properties of materials. Students undertaking this major are strongly encouraged to take suitable units

from the Faculty of Engineering in combination with Physics and Chemistry.

Majoring in Nanoscience and Technology

A student seeking to complete this major should study Physics and Chemistry in their Junior and Intermediate years together with some Engineering and Mathematics. In the Senior year it is possible to focus on two of the three discipline areas, or to continue to study elements of all three. This major may also be seen as a complement to a traditional major in Chemistry or Physics. Refer to Table 1 for an enrolment guide and to entries under the contributing schools and departments for unit descriptions. Engineering units are described in the Engineering Handbook.

Neuroscience

Neuroscience encompasses a diverse range of disciplines that cross traditional subject boundaries. The study of Neuroscience ranges from anatomy to neuronal function; the cellular and molecular biology of the neuron to the complex phenomena of perception; emotion and memory; from the regulation of breathing and blood pressure to movement; developing to ageing; normal cognition to neurodegeneration.

Majoring in Neuroscience

A major in Neuroscience is designed to provide a foundation in the basic biology of the brain as well as the fundamentals of cognition. Students are able to focus their cross-disciplinary studies with a molecular, cellular, anatomical and behavioural concentration. Refer to Table I for an enrolment guide and to entries in specific subject areas for Unit of Study descriptions. A cross-disciplinary major requires careful selection of subjects to fulfill the requirements of the major. Research in Neuroscience is vibrant and an international priority area.

Research in Neuroscience

There are many opportunities for high-achieving students to undertake honours study within the field of Neuroscience. Honours projects are typically undertaken within individual departments: Physiology, Anatomy, Pharmacology, Psychology, Pathology and associated institutes. Students should canvass respective departments during their senior studies for details of projects, admission criteria and enrolment details.

Neuroscience Coordinator

Dr Karen Cullen (Anatomy) is the co-ordinator for the Neuroscience major. Dr Cullen's contact email address is: kcullen@anatomy.usyd.edu.au

Nutrition

The Human Nutrition Unit in the School of Molecular and Microbial Biosciences offers units of study to students enrolled in the Bachelor of Science (Nutrition) degree. Please consult degree information in chapter 4 and Table 1F entries. Check the relevant Department/school entries in this chapter for descriptions of other units of study required for this degree.

NUTR2911

Food Science Introductory (Advanced)

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. **Prohibitions:** NUTR2901 **Assessment:** One 3 hour exam, one 1 hour theory of practical exam, one assignment and 5 quizzes.

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)

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. **Prohibitions:** NUTR2902 **Assumed knowledge:** NUTR2911 **Assessment:** One 3 hour exam, one 1 hour theory of practical exam, one assignment.

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

Proudlove 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

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:** Credit average in NUTR2911 and NUTR2912 **Prohibitions:** NUTR3901 **Assessment:** 1 assignment, 3 practical reports, 3 tutorial papers

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

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:** Credit average in NUTR2911 and NUTR2912
Prohibitions: NUTR3902 **Assessment:** One 2 hour exam, 2-3 assignments

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

Credit points: 6 **Teacher/Coordinator:** Ms Soumela Amanatidis **Session:** Semester 1 **Classes:** One 2 hour lecture and one 3 hour tutorial per week.
Prerequisites: Credit average in NUTR2911 and NUTR2912 **Prohibitions:** NUTR3901 **Assessment:** One 2.5 hour exam and 2-3 assignments

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

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:** Credit average in NUTR2911 and NUTR2912 **Prohibitions:** NUTR3902 **Assessment:** One 2.5 hour exam, two assignments

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.

Nutrition Honours

The coordinators for Nutrition Honours are Ms Beth Rohrlach and Ms Margaret Nicholson. Students who have completed the three year Bachelor (Nutrition) may complete an honours year in either the clinical strand, or by research. Students who want accreditation as a dietitian will need to complete the clinical strand.

Clinical Strand

Students in this strand enrol in and complete: NUTR4001 Clinical Nutritional Science A; NUTR4002 Clinical Nutritional Science B (Practical Placement). The contact hours per week are a minimum of

15 and during intensive practicals will be 35. With problem based learning it is expected that a student will need to spend minimum of 20 h in self-directed learning. At the completion of this course students will be able to describe the pathophysiology and biochemistry of disease processes where nutrition is an important part of prevention and/or treatment and will be able to construct appropriate treatment regimes and prevention strategies for these diseases using their nutritional science knowledge.

Research Strand

Students in this strand enrol in and complete: NUTR 4101 Nutrition Research A; NUTR 4102 Nutrition Research B; NUTR 4103 Nutrition Research C; NUTR 4103 Nutrition Research D; Students will be involved in full-time research under the supervision of a staff member within the Human Nutrition Unit or a cognate department. During the year, students will be required to: (i) carry out a supervised research project; (ii) present a written project proposal and present orally a brief literature survey and aims of the project; (iii) write an essay based on the project; and (iv) deliver a seminar on the project. Students will prepare a project proposal, which should outline the aims, significance and background of the project, including an indication of the relationship of the project to the work of others, citing key references (not to be included in the 1000 word limit) where appropriate and a brief outline of methods and techniques to be used.

Pharmacology

This Department offers a general training in Pharmacology to students in the Faculty of Science. It provides three intermediate 6-credit point units of study and eight senior 6-credit point units of study.

PCOL2011

Pharmacology Fundamentals

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.

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

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.

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.

PCOL2555

Essentials of Pharmacology

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

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.

PCOL3011

Toxicology

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.

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.

PCOL3911

Toxicology (Advanced)

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.

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.

PCOL3012

Drug Design and Development

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.

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.

PCOL3912

Drug Design and Development (Adv)

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.

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.

PCOL3021

Drug Therapy

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

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.

PCOL3921

Drug Therapy (Advanced)

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

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)

PCOL3022

Neuropharmacology

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.

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.

PCOL3922

Neuropharmacology (Advanced)

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

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

Pharmacology Honours

Subject to a satisfactory standard being attained in Pharmacology, a student may arrange to read for the Honours degree in this subject area. Much of the work will be arranged to suit the interest of the individual. The student will participate in a research project in progress in the Discipline. A research plan, literature review and a 50-page thesis on the research project must be prepared. Seminars on the literature review, the project and another chosen topic will be given by the student.

Physics

The School of Physics provides undergraduate units of study in Physics at Junior, Intermediate, Senior and Honours levels. Appropriate unit of study choices are available for candidates who wish to major in Physics, to proceed to Honours in Physics, or to combine Physics with a major in another subject area. Several other Faculties and Departments within the Faculty of Science require that Junior Physics be taken as part of the students' preparation for later studies in their more specialised fields. Similarly, Intermediate Physics units of study are taken by many Faculty of Engineering students, as well as by many Faculty of Science students who intend to major in other subjects. The School of Physics also provides units of study in Computational Science at Junior and Senior levels. For details see the Computational Science entry.

Location

Physics Junior units of study: lectures in Physics Building, laboratories in Carslaw Building. Physics Intermediate, Senior and Honours units of study: Physics Building.

Information

On the School of Physics website: www.physics.usyd.edu.au and on noticeboards outside the Physics Student Support Office (Room 202, ground floor, Physics Building).

Registration

Junior units of study: In assigned laboratory sessions during the second week of each semester. Intermediate units of study: At first laboratory, in the Physics Building. Senior units of study: At first lecture, in the Physics Building.

Advice on units of study

A member of the Physics staff is normally present among Faculty advisers during enrolment week to advise students. The Physics Student Support Office, Room 202, Physics Building, will arrange for students to meet advisers at other times. Further information about

the School of Physics and its teaching program are available at www.physics.usyd.edu.au and on unit of study eLearning sites.

Physics junior units of study

Coordinator

Dr Joe Khachan

Units of Study

There are seven different semester length units of study offered at the Junior level. Completion of one unit of study in each semester provides a solid foundation for further studies in Physics in higher years. PHYS1500 Astronomy cannot be counted towards the 12 credit points of Junior Physics needed as a prerequisite for Intermediate Physics. Each unit of study has a laboratory component. The first semester laboratory work provides an introduction to experimental techniques while reinforcing concepts of physics introduced in lectures. In second semester the laboratory work provides an introduction to electrical circuits and offers students the opportunity to design and undertake short experimental projects.

First semester

PHYS1001 (Regular); PHYS1002 (Fundamentals); PHYS1901 (Advanced)

Second semester

PHYS1003 (Technological); PHYS1004 (Environmental and Life Sciences); PHYS1902 (Advanced); PHYS1500 (Astronomy)

Information Booklet

Further information about Junior Physics units of study is contained in a booklet for intending commencing students available at enrolment or during O-Week or from the Physics Student Support Office (Room 202, ground floor, Physics Building (A28)). It is also available on the School of Physics website at www.physics.usyd.edu.au

Progression to Intermediate Physics

Students intending to continue into Intermediate Physics are encouraged to take PHYS1003 or PHYS1902 in semester 2. Students taking PHYS1004 may continue into Intermediate Physics but are recommended to undertake supplementary reading as additional preparation.

PHYS1001

Physics 1 (Regular)

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

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)

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

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)

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

Note: It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit

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)

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

Note: It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit

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

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

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, JO. et al. The Essential Cosmic Perspective. 4th edition, with Mastering Astronomy. Addison Wesley. 2006

PHYS1901

Physics 1A (Advanced)

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

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)

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

Note: It is recommended that PHYS (1001 or 1002 or 1901) be completed before this unit

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.

Physics intermediate units of study

Coordinator

Dr Manjula Sharma

Units of Study

There are three units at the Normal level and three at the Advanced level: PHYS2011/2911 Physics 2A (Normal/Advanced) - Semester 1; PHYS2012/2912 Physics 2B (Normal/Advanced) - Semester 2; PHYS2013/2913 Astrophysics and Relativity (Normal/Advanced) - Semester 2.

Students intending to major in Physics

Students intending to major in Physics are strongly encouraged to take all three. The Advanced versions can be taken by students who have achieved a Credit or better in their previous Physics units.

Progression to senior Physics

The prerequisites for Senior Physics units are PHYS2011/2911 and PHYS2012/2912. Students intending to major in Physics are strongly encouraged to take PHYS2013/2913 as well. Full details of Intermediate Physics unit of study structures, content and assessment policies are provided in the unit of study handbooks available at the start of semester on the School of Physics website at www.physics.usyd.edu.au and also on unit of study eLearning sites.

PHYS2011

Physics 2A

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

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

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

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

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

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

PHYS2911 Physics 2A (Advanced)

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

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)

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

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)

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

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

Physics senior units of study

Coordinator

Professor Tim Bedding

Majoring in Physics

Students intending to major in Physics, or to proceed to Physics Honours, must take at least 24 credit points of Senior Physics, which must include a Semester 1 Core unit (PHYS3040, 3940 or 3941); a Semester 2 Core unit (PHYS3060, 3960 or 3961); two Options units (usually one in each semester). Further information concerning Senior Physics is available via www.physics.usyd.edu.au and also on unit of study eLearning sites.

PHYS3015**Topics in Senior Physics A**

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.

Note: Department permission required for enrolment.

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.

PHYS3915**Topics in Senior Physics A (Advanced)**

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.

Note: Department permission required for enrolment.

This unit of study covers the same topics as PHYS3015, with some more challenging material.

PHYS3025**Topics in Senior Physics B**

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.

Note: Department permission required for enrolment.

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.

PHYS3925**Topics in Senior Physics B (Advanced)**

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.

Note: Department permission required for enrolment.

This unit of study covers the same topics as PHYS3025, with some more challenging material.

PHYS3040**Electromagnetism & Physics Lab**

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

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.

PHYS3940**Electromagnetism & Physics Lab (Adv)**

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

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)**

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

Note: Department permission required for enrolment. Note: Approval for this unit must be obtained from the School of Physics Senior Coordinator.

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.

PHYS3051**Thermodynamics/Biol. Physics & Lab**

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

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

PHYS3951**Thermodynamics/Biol. Physics & Lab (Adv)**

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

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

PHYS3052**Nanoscience/Thermodynamics & Lab**

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

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

PHYS3952**Nanoscience/Thermodynamics & Lab (Adv)**

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

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

PHYS3054**Nanoscience/Plasma Physics & Physics Lab**

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

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.

PHYS3954**Nanoscience/Plasma Physics & Lab (Adv)**

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

This unit covers the same topics as PHYS3054, but with greater depth and some more challenging material.

PHYS3055**Nanoscience/Plasma/Thermodynamics**

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

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

PHYS3955**Nanoscience/Plasma/Thermodynamics (Adv)**

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

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

PHYS3057**Nanoscience/Thermodynamic/Biol.Phys**

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

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.

PHYS3957**Nanoscience/Thermodynamic/Biol.Phys(Adv)**

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

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

PHYS3059**Plasma/Thermodynamics/Biol. Physics**

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

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

PHYS3959**Plasma/Thermodynamics/Biol.Physics (Adv)**

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

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

PHYS3060**Quantum Mechanics & Physics Lab**

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

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.

PHYS3960**Quantum Mechanics & Physics Lab (Adv)**

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

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)**

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

Note: Department permission required for enrolment. Note: Approval for this unit must be obtained from the School of Physics Senior Coordinator

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.

PHYS3062**Quantum/Cond Matter Physics & Lab**

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 1 hour exam, practical reports

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.

PHYS3962**Quantum/Cond Matter Physics & Lab (Adv)**

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

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.

PHYS3068

Optics/Cond. Matter & Lab

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

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.

PHYS3968

Optics/Cond. Matter & Lab (Adv)

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

This unit covers the same topics as PHYS3068, but with greater depth and some more challenging material.

PHYS3069

Optics/High Energy Physics & Lab

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

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.

PHYS3969

Optics/High Energy Physics & Lab (Adv)

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

This unit covers the same topics as PHYS3069, but with greater depth and some more challenging material.

PHYS3071

High Energy/Astrophysics & Lab

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

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.

PHYS3971

High Energy/Astrophysics & Lab (Adv)

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

This unit covers the same topics as PHYS3071, but with greater depth and some more challenging material.

PHYS3074

High Energy/Cond. Matter Physics & Lab

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

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.

PHYS3974

High Energy/Cond. Matter Phys. & Lab(Adv)

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

This unit covers the same topics as PHYS3074, but with greater depth and some more challenging material.

PHYS3079

Cond. Matter/High Energy/Astrophysics

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

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.

PHYS3979

Cond. Matter/High Energy/Astrophys (Adv)

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, PHYS3080, PHYS3980, PHYS3081, PHYS3981, PHYS3082, PHYS3982 **Assumed knowledge:** Quantum Mechanics at Senior Physics level; MATH (2061 or 2961) **Assessment:** One 3 hour exam

This unit covers the same topics as PHYS3079, but with greater depth and some more challenging material.

PHYS3080

Optics/Cond.Matter/High Energy Physics

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

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.

PHYS3980

Optics/Cond.Matter/High Energy Phys(Adv)

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

This unit covers the same topics as PHYS3080, but with greater depth and some more challenging material.

PHYS3081

Optics/Cond. Matter/Astrophysics

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

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.

PHYS3981

Optics/Cond. Matter/Astrophysics (Adv)

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

This unit covers the same topics as PHYS3081, but with greater depth and some more challenging material.

PHYS3082

Optics/High Energy/Astrophysics

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

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.

PHYS3982

Optics/High Energy/Astrophysics (Adv)

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

This unit covers the same topics as PHYS3082, but with greater depth and some more challenging material.

Physics Honours

Honours Coordinator

Dr Stephen Bartlett

Qualifying

To be considered for admission to the Honours program, students need 24 credit points of senior Physics units of study or equivalent with a SciWAM as specified in the degree resolutions.

Classes

Six lecture courses and a research project

Assessment

Coursework examinations, a 40-page Research report and oral presentation of the Research project. Physics Honours comprises formal coursework (weight 50%) and a research project (weight 50%).

Undertaking an Honours year in Physics

The Honours program in Physics provides students with an opportunity to undertake an original research project as well as attend advanced lecture courses to give students a broad understanding of modern physics at a high level. All students satisfying the qualifying requirements as set out above and in the Science Faculty Honours section of this handbook are strongly encouraged to apply for entry into Physics Honours. Fulltime enrolment is equivalent to 48 credit points for the year. Students are offered an opportunity to carry out independent research as a member of one of the active research groups in the School of Physics, under the supervision of a member of staff. Students may also study with staff from complementary disciplines, subject to the approval of the Honours coordinator. Honours students join a research group in the School of Physics and are encouraged to participate with staff and research students in activities within the School. They are provided with office accommodation, and are expected to attend colloquia and seminars. They may be employed for several hours per week in Junior teaching. Further information is available from the Physics Student Support Office, the Honours coordinator or from the website www.physics.usyd.edu.au/current/hons.shtml.

Physiology

The Department of Physiology provides introductory general Intermediate units of study and for those wishing to major in the subject, in-depth Senior units of study. For Senior units the February semester offers Neuroscience and Human Cellular Physiology, and the July semester offers Heart and Circulation as well as further study in Neuroscience.

PHSI2005

Integrated Physiology A

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.

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.

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.

PHSI2905

Integrated Physiology A (Advanced)

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)

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

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

PHSI2006

Integrated Physiology B

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

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.

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.

PHSI2906

Integrated Physiology B (Advanced)

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)

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.

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.

Please note, all NEUR courses are taught and administered jointly by the Disciplines of Physiology and Anatomy & Histology and can form part of a major in Physiology, Anatomy & Histology or Neuroscience. NEUR3001/3901 and 3002/3902 are designed to be taken in conjunction with other. It is also strongly advised that NEUR3003/3903 and 3004/3904 be taken together. For information on NEUR3002 and NEUR3004 refer to the entry under Anatomy in this chapter.

NEUR3001

Neuroscience: Special Senses

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

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

NEUR3901

Neuroscience: Special Senses (Advanced)

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).

Note: Permission from the coordinators is required for entry into this course. It is strongly recommended that students also take unit NEUR3002 or NEUR3902.

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

NEUR3003

Cellular and Developmental Neuroscience

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.

Note: Enrolment in NEUR3004 is HIGHLY RECOMMENDED. Courses are designed to be taken in conjunction with each other.

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 gliol 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.

NEUR3903

Cellular & Developmental Neurosci. (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr Kevin Key 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.

Note: Department permission required for enrolment. Note: Enrolment 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 enrolment.

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.

For other NEUR units of study, see the entry for the Department of Anatomy and Histology.

PHSI3005

Human Cellular Physiology: Theory

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

Note: It is highly recommended that this unit of study be taken in conjunction with PHSI3006.

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)

PHSI3905

Human Cellular Physiology (Adv): Theory

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.

Note: Department permission required for enrolment. Note: It is highly recommended that this unit of study be taken in combination with PHSI3906

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.

PHSI3006

Human Cellular Physiology: Research

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.

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.

PHSI3906

Human Cellular Physiology (Ad): Research

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.

Note: Department permission required for enrolment.

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.

PHSI3007**Heart and Circulation: Normal Function**

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

Note: It is recommended that students take PHSI3007 ONLY in combination with PHSI3008.

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.

PHSI3907**Heart & Circulation: Normal Function Adv**

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

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.

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.

PHSI3008**Heart and Circulation: Dysfunction**

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

Note: It is strongly recommended that students take PHSI3008 ONLY in combination with PHSI3007

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.

PHSI3908**Heart & Circulation: Dysfunction Adv**

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

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.

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.

Physiology Honours

During fourth year, no formal series of lectures is provided but students are given a relevant problem to investigate. This problem usually represents a small facet of one of the major current research projects within the Department, and the students work in collaboration with members of the staff. Students write a thesis embodying the results of their work.

Plant Science

The following units of study form part of the Plant Science program, which has been developed jointly by the Faculty of Agriculture, Food and Natural Resources and the School of Biological Sciences.

Intermediate units of study**PLNT2001****Plant Biochemistry and Molecular Biology**

Credit points: 6 **Teacher/Coordinator:** Dr Meredith Wilkes, Prof Les Copeland, Dr Rosanne Quinnell **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.

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.

PLNT2901

Plant Biochem & Molecular Biology (Adv)

Credit points: 6 **Teacher/Coordinator:** Dr Meredith Wilkes, Prof Les Copeland, Dr Rosanne Quinnett **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.

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.

PLNT2002

Aust Flora: Ecology and Conservation

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%).

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.

PLNT2902

Aust Flora: Ecology & Conservation (Adv)

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%).

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.

PLNT2003

Plant Form and Function

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%).

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, Rockvill, Maryland
 A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of semester.

PLNT2903

Plant Form and Function (Advanced)

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%).

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, Rockvill, Maryland
 A Study Guide for the unit will be available for purchase from the Copy Centre during the first week of semester.

Senior units of study

PLNT3001

Plant, Cell and Environment

Credit points: 6 **Teacher/Coordinator:** Dr Rosanne Quinnett, 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.

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.

PLNT3901

Plant, Cell and Environment (Advanced)

Credit points: 6 **Teacher/Coordinator:** Dr Rosanne Quinnett, 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.

Note: Department permission required for enrolment.

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.

PLNT3002**Plant Growth and Development**

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%).

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, Grissem 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.

PLNT3902**Plant Growth and Development (Advanced)**

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%).

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, Grissem 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**

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%).

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*.

PLNT3903**Systematics and Evolution of Plants Adv**

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%).

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.

BIOL3009**Terrestrial Field Ecology**

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%). *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.*

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.

BIOL3909**Terrestrial Field Ecology (Advanced)**

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%).

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.

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.

BIOL3017**Fungi in the Environment**

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.

Note: Dates: 16-27 February 2009. The completion of 6 credit points of MBLG units is highly recommended.

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.

BIOL3917**Fungi in the Environment (Advanced)**

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.

Note: The completion of 6 credit points of MBLG units is highly recommended.

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.

PPAT3003**Plant Disease**

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%).

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.

HORT3005**Production Horticulture**

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%).

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 Grownig in Australian. Lothian Books
Baxter, P. (1997) Growing Fruit In Australia. MacMillan Australia
Westwood, M.N. (1993) Temperate-Zone Pomology. Timber Press Inc.

Psychology

Psychology is the study of behaviour and it is approached on a scientific basis, with provision for professional training at the postgraduate level. The research activities of the School cover almost all of the main branches of the discipline. Extensive information about the subject and the School is available on the School web-site: www.psych.usyd.edu.au. A major in Psychology that is accredited by the Australian Psychological Society and can lead to registration as a Psychologist in NSW (upon completion of further studies) can be gained through a number of degree programs: Bachelor of Science, Bachelor of Psychology, Bachelor of Arts, Bachelor of Arts (Psychology), Bachelor of Arts and Science, Bachelor of Liberal Studies and Bachelor of Economics (Social Science). A normal three year sequence required for a major in Psychology is: PSYC 1001, 1002, 2011, 2012, 2013, 2014, and at least four Senior units of study selected from PSYC3010*, 3011, 3012, 3013, 3014, 3015, 3016, 3017, 3018, 3020, and HPSC3023. The senior units must include at least

one of PSYC 3011, 3012, 3013 and 3014. Mid-year entry is possible and involves modification of this sequence. *Required for entry to Honours.

Registration and noticeboards

Students in all years must register during the orientation period. PSYC1001 students register by going to the Carlaw Building during orientation and collecting a personalised computer generated timetable, or by obtaining their timetables through MyUni, which will indicate the lecture times and the tutorial group to which they have been allocated. Further information will be posted at the Enrolment Centre and on the Junior Psychology noticeboard on the 4th floor of the Old Teachers College building.

Enquiries

The main enquiry office of the School is Room 325, Level 3 Brennan MacCallum Building, A18 (tel. 9351 2872). Staff members available to discuss particular courses may be contacted directly or through this office.

Honours

In order to be eligible to enter Psychology Honours, it is necessary (except as provided in the by-laws or resolutions) to gain a year average of at least Pass with Credit in Intermediate and in Senior Psychology units of study constituting a major in Psychology, and must include PSYC3010. Students wishing to graduate with Honours in Psychology are urged to discuss their choice of other subjects with a Faculty adviser as soon as practicable. There is currently a quota on entry to Psychology Honours.

Examinations

Undergraduate units of study are examined at the end of each semester and include classwork by way of essays, reports or practical/laboratory work. At the beginning of each unit of study students are advised of the contributions of exam and classwork for assessment purposes.

Summer School: January-February

PSYC1001 and PSYC1002 are offered in the Sydney Summer School. Consult the Sydney Summer School website for more information: <http://www.summer.usyd.edu.au/>.

PSYC1001 Psychology 1001

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.

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

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.

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

Intermediate units of study

PSYC2011

Brain and Behaviour

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)

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

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.

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

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).

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

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)

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

Senior units of study

PSYC3010

Advanced Statistics for Psychology

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.

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

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.

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

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).

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

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.

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

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 2013) **Assessment:** One 2 hour exam, one major essay/report 2000-2500 words, tutorial quiz and participation.

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

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.

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

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.

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

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.

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

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.

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

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

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

HPSC3023 Psychology & Psychiatry History & Phil

HPSC3023 Psychology & Psychiatry History & Phil can be counted towards a Psychology Major. Successful completion of this unit of study is essential for students intending to take the Theoretical Thesis option in Psychology Honours.

Psychology Honours

Prerequisites for admission

A Major in Psychology with a minimum Credit average or better across both the Intermediate and Senior Psychology* Units of Study comprising the 48 credit points of Intermediate and Senior Psychology Units that constitute the minimum required for the major. PSYC (3010 or 3201) must be included in the Senior Units. BPsych students should consult resolutions in chapter 6. School permission required. Due to restricted resources for research supervision, the intake to Psychology Honours will be limited to approximately 80 students and will be determined by academic merit in Intermediate and Senior Psychology.

Assessment

Formal exams in Ethics and Issues in Psychology and in Research Methods; report of empirical research project; theoretical thesis or assessment in two Special Fields modules. Students are required to (a) devise, conduct and report upon an empirical research project (research area dependent on interests and specialities of staff members); (b) write a theoretical thesis or attend two Special Fields

seminars and complete required assessment tasks; and (c) attend one lecture series in Ethics and Issues in Psychology and two series of lectures in Research Methods.

Virology

Details for Virology units can be found under the Microbiology entry.

8. Degree regulations and policies

Bachelor of Education

1. Requirements for the pass degree of the Bachelor of Education

- 1.1 To qualify for award of the pass degree candidates must:
- 1.1.1 unless otherwise stated in these resolutions, complete successfully units of study giving credit for a total of 192 credit points; and
- 1.1.2 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

2. Streams

- 2.1 The degree of Bachelor of Education will be awarded in the following specialisations:
- 2.1.1 Primary Education
- 2.1.2 Secondary Education: Humanities and Social Sciences
- 2.1.3 Secondary Education: Human Movement and Health Education
- 2.1.4 Secondary Education: Mathematics
- 2.1.5 Secondary Education: Science
- 2.1.6 Secondary Education: Design and Technology
- 2.1.7 Secondary Education: Aboriginal Studies
- 2.2 The degree of Bachelor of Education will also be awarded as a combined course with the degrees listed as follows:
- 2.2.1 Secondary Education: Humanities and Social Sciences/Bachelor of Arts
- 2.2.2 Secondary Education: Science/Bachelor of Science
- 2.2.3 Secondary Education: Mathematics/Bachelor of Science
- 2.2.4 Secondary Education/Bachelor of Arts (Psychology)
- 2.2.5 Secondary Education/Bachelor of Science (Psychology)

3. Requirements for the Bachelor of Education honours degree

- 3.1 To qualify for award of the honours degree candidates must complete the honours requirements published in the Faculty resolutions relating to the course.

4. Requirements for the Bachelor of Education combined degrees

- 4.1 To qualify for award of the two degrees in a combined degree course, candidates must complete the requirements published in these and other relevant faculty resolutions relating to the course.

Bachelor of Social Work

1. Requirements for the pass degree of the Bachelor of Social Work

- 1.1 To qualify for the award of the pass degree candidates must:
- 1.1.1 complete successfully units of study giving credit for a total of 192 credit points; and
- 1.1.2 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University

2. Requirements for the Bachelor of Social Work honours degree

- 2.1 To qualify for the award of the honours degree candidates must complete the honours requirements published in the Faculty resolutions relating to the course.

3. Requirements for the Bachelor of Social Work combined degrees

- 3.1 The degree of Bachelor of Social Work will be awarded as a combined course with the degree listed as follows:
- 3.1.1 Bachelor of Social Work/Bachelor of Arts
- 3.2 To qualify for award of the two degrees in a combined degree course, candidates must complete the requirements published in these and other relevant Faculty resolutions relating to the course.

Resolutions of the faculty relating to the Bachelor of Education and Bachelor of Social Work and combined degrees

Course Rules

1. Pass degree and degree with honours

- 1.1 The degree of Bachelor of Education shall be awarded in two grades, namely, the pass degree and the degree with honours.
- 1.2 The pass degree shall be in the pass grade only – provided that an outstanding candidate may be awarded the degree with merit according to Academic Board policy.
- 1.3 There shall be two classes of honours, namely, Class I and Class II and within Class II there shall be two divisions, namely division 1 and division 2.

2. Progression within the degree

- 2.1 Professional experience is an essential requirement for all Bachelor of Education award courses.
- 2.2 A candidate shall not progress with their award course at the beginning of any year without successfully completing the required professional experience units of study for the previous year (refer 5.2 – Satisfactory progress).

3. Units of study of enrolment undertaken in other faculties

- 3.1 A candidate for the degree who enrolls in accordance with these resolutions in a unit of study prescribed for a degree offered by the Faculties of Arts, Science or Economics and Business shall satisfy the prerequisites, corequisites and other requirements prescribed for such unit of study for that other degree.

4. Transitional provisions

- 4.1 These resolutions shall apply to all persons enrolled as of 1 January 2006 in an undergraduate program of the Faculty of Education and Social Work; notwithstanding any resolutions in place at the time the candidate enrolled in the degree.

Programs of study – pass degree

Primary Education

1. Except with the permission of the Faculty, a candidate for the degree in Primary Education shall complete the following program of units of study:

1.1 Year I

- 1.1.1 Junior units of study in Education, as specified in the *Table of units of study*, with a total value of 12 credit points; and
- 1.1.2 Science Foundations 1 and Science Foundations 2;
- 1.1.3 Junior units of study in Professional Studies in Primary education, as specified for Year 1 in the *Table of units of study*, with a total value of 12 credit points; and
- 1.1.4 Junior or First Year, 100 level, units of study comprising a full year of study in a subject area, 12 credit points, offered by a department or school within either of the Faculties of Arts, Science or Economics and Business.

1.2 Year II

- 1.2.1 Senior, 200 level, units of study in Education taken as specified in the *Table of units of study*, total of 12 credit points; and
- 1.2.2 Program of 200 level units of study in Curriculum and Professional Studies in Primary Education as specified in the *Table of units of study*, total value of 24 credit points; and
- 1.2.3 Either:

- 1.2.3.1 Senior, 200 level units of study, comprising a full year of study in a subject area, total of 12 credit points, offered by a department or school within the Faculty of Arts; or



- 1.2.3.2 Intermediate units of study, comprising a full year of study in a subject area, total of 12 credit points, offered by a department or school within the Faculty of Science; or
- 1.2.3.3 Second Year units of study, comprising a full year of study in a subject area, total of 12 credit points, offered by a department or school within the Faculty of Economics and Business.
- 1.3 **Year III**
- 1.3.1 Senior, 300 level, units of study in Education taken from those listed in the *Table of units of study*, including specified units, total of 12 credit points.
- 1.3.2 Program of Senior, 300 level, units of study in Curriculum and Professional Studies in Primary Education taken from those listed in the *Table of units of study*, including specified units, total of 36 credit points.
- 1.4 **Year IV**
- 1.4.1 Senior, 300 level, units of study in Education taken from those listed in the *Table of units of study*, including specified units, total of 12 credit points;
- 1.4.2 Program of Senior, 400 level, units of study in Curriculum and Professional Studies in Primary Education taken from those listed in the *Table of units of study*, including specified units total of 36 credit points.

Secondary Education

Human Movement and Health Education

1. Except with the permission of the Faculty, a candidate for the degree in Secondary Education in the areas of human movement and health education shall complete the following program of units of study:
- 1.1 **Year I**
- 1.1.1 Junior units of study in Education, as specified in the *Table of units of study*, total of 12 credit points; and
- 1.1.2 Sports Mechanics; 6 credit points and
- 1.1.3 Junior units of study in Professional Studies in Human Movement and Health Education, as specified for Year I in the *Table of units of study*, total of 18 credit points; and
- 1.1.4 Junior or First Year, 100 level, units of study comprising a full year of study in a subject area, total of 12 credit points, offered by a department or school in either of the Faculties of Arts, Science or Economics and Business.
- 1.2 **Year II**
- 1.2.1 Senior, 200 level, units of study in Education taken as specified in the *Table of units of study*, total of 12 credit points; and
- 1.2.2 Program of 200 level units of study in Curriculum and Professional Studies in Human Movement and Health Education, as specified in the *Table of units of study*, total of 36 credit points;
- 1.3 **Year III**
- 1.3.1 Senior, 300 level units of study in Education taken from those listed in the *Table of units of study*, including specified units, total of 12 credit points and
- 1.3.2 Program of Senior, 300 level, units of study in Curriculum and Professional Studies in Human Movement and Health Education as specified, in the *Table of units of study*, total of 36 credit points.
- 1.4 **Year IV**
- 1.4.1 Senior, 400 level units of study in Education taken from those listed in the *Table of units of study*, total of 6 credit points for non Honours students; or
- 1.4.2 Senior, 400 level, units of study in Education taken from those listed in the *Table of units of study*, including specified units, total of 12 credit points for Honours students;
- 1.4.3 Program of 400 level units of study in Curriculum Professional Studies in Human Movement and Health Education, taken from those listed in the *Table of units of study*, including specified units, comprising a full year of study, total of 42 credit points for non Honours students; or
- 1.4.4 Program of 400 level units of study in Curriculum Professional Studies in Human Movement and Health Education, taken from those listed in the *Table of units of study*, including specified units, comprising a full year of study, total of 36 credit points for Honours students.

Aboriginal Studies

1. **Eligibility for admission**
- 1.1 The Faculty may admit to candidature for the degree an Aboriginal or Torres Strait Islander person who:
- 1.1.1 is qualified for the award of the Diploma in Education (Aboriginal) of The University of Sydney, or
- 1.1.2 has completed other qualifications deemed by the Faculty to be equivalent.
2. **Requirements for the degree**
- 2.1 Candidates qualify for award of the degree by completing successfully units of study giving credit for a total of 96 credit points.
- 2.2 Except with the permission of the Faculty, a candidate for the degree in Aboriginal Studies shall complete the program of units of study as set out in the *Table of units of study*.
3. **Time limits**
- 3.1 Unless otherwise permitted by the Faculty, a candidate shall complete all the requirements for award of the degree within four calendar years of admission or re-admission to candidature.
- 3.2 A candidate who has completed 96 credit points and elects to graduate with the Diploma in Education (Aboriginal) may not enrol in the Bachelor of Education (Secondary: Aboriginal Studies).

Bachelor of Education (Secondary: Humanities and Social Sciences) and Bachelor of Arts Bachelor of Education (Secondary: Mathematics) and Bachelor of Science or Bachelor of Science (Advanced) Bachelor of Education (Secondary: Science) and Bachelor of Science or Bachelor of Science (Advanced)

- 1.1 Candidature for the degrees in the combined courses is full-time.
- 1.2 Candidates qualify for the award of the degrees in the combined course by completing 240 credit points.
- 1.3 Candidates may, after two years of candidature in the combined course, abandon the combined course and elect to complete either degree in the combined course in accordance with the Resolutions of Senate governing that degree.
- 1.4 Candidates will be under the supervision of the Faculty of Education and Social Work for the duration of the combined course. If a candidate elects to abandon the combined course and elects to complete the degree in the other Faculty, he/she will then be under the supervision of the other Faculty.
- 1.5 Candidates who qualified for either/or both of the degrees and who are otherwise qualified to do so may complete the degree with honours, according to the Resolutions of the Senate governing that degree. Specify: extra year. Impact on progression.
- 1.6 The Deans of both Faculties shall jointly exercise authority in any matter concerning the combined course program not otherwise dealt with in the Resolutions of Senate or these Resolutions.

Bachelor of Education (Secondary: Humanities and Social Sciences) and Bachelor of Arts

1. **Year 1**
- 1.1 Junior units of study in Education, as specified in the Education *Table of units of study*, total of 12 credit points; and
- 1.2 Junior units of study offered by the Faculty of Arts, total of 12 credit points, in approved teaching area, selected from Arts *Table A or Table B*; and
- 1.3 Junior units of study offered by the Faculty of Arts, total of 12 credit points, in approved teaching area, selected from Arts *Table A*; and
- 1.4 Junior units of study offered by either of the Faculty of Arts, Science or Economics and Business, total of 12 credit points selected from *Table A or Table B*.
2. **Year II**
- 2.1 Senior units of study in Education, as specified in the Education *Table of units of study*, total of 18 credit points; and

- 2.2 Senior units of study, in Curriculum and Professional Studies in Secondary Education, as specified in the Education *Table of units of study*, total of 6 credit points; and
- 2.3 Senior units of study, offered by the Faculty of Arts, total of 12 credit points, in selected teaching area from Arts *Table A*, being the major sequence; and
- 2.4 Intermediate or Senior units of study, offered by either of the Faculties of Arts, Science or Economics and Business, total of 12 credit points in selected teaching area, being the minor sequence.
3. **Year III**
- 3.1 Senior unit of study in Education as specified in the Education *Table of units of study*, total of 6 credit points; and
- 3.2 Senior units of study in Curriculum and Professional Studies in Secondary Education, as specified in the Education *Table of units of study*, total of 30 credit points; and
- 3.3 Senior units of study offered by the Faculty of Arts, in selected teaching area, from Arts *Table A*, being the major sequence, total of 12 credit points.
4. **Year IV**
- 4.1 Senior 300 and 400 level units of study in Education, as specified in the Education *Table of units of study*, total of 12 credit points; and
- 4.2 Senior units of study in Curriculum and Professional Studies in Secondary Education as specified in the Education *Table of units of study*, total of 24 credit points; and
- 4.3 Senior units of study, offered by the Faculty of Arts, in selected teaching area from Arts *Table A*, being the major sequence, total of 12 credit points.
5. **Year V**
- 5.1 Senior units of study in Curriculum and Professional Studies in Secondary Education, as specified in the Education *Table of units of study*, total of 24 credit points; and
- 5.2 Senior units of study offered by the Faculty of Arts, to complete requirements for award of the Bachelor of Arts, total of 24 credit points.

Bachelor of Education (Secondary: Mathematics) and Bachelor of Science

1. Special provisions

- 1.1 A student may proceed concurrently to the degrees of Bachelor of Education and Bachelor of Science or Bachelor of Science (Advanced Mathematics).
- 1.2 No more than 100 credit points may be from Junior units of study.

2. Program of study

2.1 Year I

- 2.1.1 Junior units of study in Education, as specified in the *Table of units of study*, total of 12 credit points; and
- 2.1.2 Junior units of study in Mathematics, offered by the School of Mathematics and Statistics in the Faculty of Science, total of 12 credit points; and
- 2.1.3 Junior units of study offered by the Faculty of Science, total of 12 credit points, in an approved teaching area, selected from *Science Table 1*; and
- 2.1.4 Junior units of study offered by the Faculty of Science total of 12 credit points.

2.2 Year II

- 2.2.1 Senior units of study in Education, as specified in the *Table of units of study*, total of 18 credit points; and
- 2.2.2 Senior units of study, in Curriculum and Professional Studies in Secondary Education, as specified in the *Table of units of study*, total of 6 credit points; and
- 2.2.3 Intermediate units of study, 12 credit points, in Mathematics and Statistics; and
- 2.2.4 Intermediate units of study offered by the Faculty of Science, total of 12 credit points, in the second approved teaching area selected from *Science Table 1*.

2.3 Year III

- 2.3.1 Senior units of study in Education, selected from the *Table of units of study*, 6 credit points; and
- 2.3.2 Senior units of study in Curriculum and Professional Studies in Secondary Education taken from those listed in the *Table of units of study*, including specified units, total of 30 credit points; and

- 2.3.3 Senior units of study in Mathematics and Statistics, 12 credit points, offered by the Faculty of Science.

2.4 Year IV

- 2.4.1 Two Senior, 300 level, units of study in Education selected from the *Table of units of study*, including specified units, total of 12 credit points; or
- 2.4.2 Senior units of study in Curriculum and Professional Studies in Secondary Education selected from the *Table of units of study*, including specified units, total of 24 credit points; and
- 2.4.3 Senior units of study in Mathematics and Statistics, 12 credit points, offered by the Faculty of Science.

2.5 Year V

- 2.5.1 Curriculum and Professional Studies in Secondary Education, as specified in the *Table of units of study*, total of 24 credit points;
- 2.5.2 Senior or intermediate units of study, 24 credit points, to complete requirements for award of the Bachelor of Science (Mathematics).

3. Requirements for award

- 3.1 To qualify for the award of the pass degree in an Advanced stream of the BSc degree, a student shall complete the requirements for the BSc degree according to these resolutions and those of the Faculty of Science and, in addition, and except with the permission of the Dean of the Faculty of Science:
- 3.1.1 include at least 16 credit points of Intermediate units of study at either the Advanced level or as TSP units;
- 3.1.2 include at least 24 credit points of Senior units of study at the Advanced level or as TSP units in a single Science subject area; and
- 3.1.3 maintain in Intermediate and Senior units of study at the Advanced level in Science subject areas an average of 65 or greater in each year of enrolment.

Bachelor of Education (Secondary: Science) and Bachelor of Science

1. Special provisions

- 1.1 A student may proceed concurrently to the degrees of Bachelor of Education and Bachelor of Science or Bachelor of Science (Advanced).
- 1.2 No more than 100 credit points may be from Junior units of study.

2. Program of study

2.1 Year I

- 2.1.1 Junior units of study in Education, as specified in the *Table of units of study*, total of 12 credit points; and
- 2.1.2 Junior units of study in Mathematics, offered by the School of Mathematics and Statistics in the Faculty of Science, equivalent to 12 credit points; and
- 2.1.3 Junior units of study offered by the Faculty of Science, equivalent to 12 credit points, in an approved teaching area, selected from *Science Table 1*; and
- 2.1.4 Junior units of study offered by the Faculty of Science in an approved teaching area, equivalent to 12 credit points selected from *Science Table 1*.

2.2 Year II

- 2.2.1 Senior, 200 level, units of study in Education, as specified in the *Table of units of study*, total of 18 credit points; and
- 2.2.2 Senior units of study, in Curriculum and Professional Studies in Secondary Education, as specified in the *Table of units of study*, total of 6 credit points; and
- 2.2.3 Intermediate units of study in the minor sequence, 12 credit points, offered by the Faculty of Science selected from *Science Table 1*; and
- 2.2.4 Intermediate units of study in the major sequence, 12 credit points, offered by the Faculty of Science selected from *Science Table 1*.

2.3 Year III

- 2.3.1 Senior units of study in Education, selected from the *Table of units of study*, total of 6 credit points; and
- 2.3.2 Senior units of study in Curriculum and Professional Studies in Secondary Education, selected from the *Table of units of study*, including specified units, total of 30 credit points; and
- 2.3.3 Senior units of study in major sequence, total of 12 credit points, offered by the Faculty of Science, selected from *Science Table 1*.

2.4 **Year IV**

- 2.4.1 Two Senior, 300 level, units of study in Education selected from the *Table of units of study*, including specified units, total of 12 credit points;
- 2.4.2 Senior units of study in Curriculum and Professional Studies in Secondary Education, selected from the *Table of units of study*, including specified units, total of 24 credit points; and
- 2.4.3 Senior units of study in the major sequence, total of 12 credit points, offered by the Faculty of Science, selected from *Science Table 1*.

2.5 **Year V**

- 2.5.1 Curriculum and Professional Studies in Secondary Education as specified in the *Table of units of study*, 24 credit points; and
- 2.5.2 Senior or intermediate units of study, 24 credit points, in the major sequence, to complete requirements for award of the Bachelor of Science (Science).

3. **Requirements for award**

- 3.1 To qualify for the award of the pass degree in an Advanced stream of the BSc degree, a student shall complete the requirements for the BSc degree according to these resolutions and those of the Faculty of Science and, in addition, and except with the permission of the Dean of the Faculty of Science:
 - 3.1.1 include at least 16 credit points of Intermediate units of study at either the Advanced level or as TSP units;
 - 3.1.2 include at least 24 credit points of Senior units of study at the Advanced level or as TSP units in a single Science subject area; and
 - 3.1.3 maintain in Intermediate and Senior units of study at the Advanced level in Science subject areas an average of 65 or greater in each year of enrolment.

School Counselling/Science

1. **Year I**

- 1.1 Junior units of study in Education, as specified in the *Table of units of study*, total of 12 credit points; and
- 1.2 Specified Junior units of study in Psychology, 12 credit points; and
- 1.3 Junior units of study in Science, 24 credit points, of which 12 credit points must be in Mathematics and 12 in Chemistry.

2. **Year II**

- 2.1 Units of study in Education, as specified in the *Table of units of study*, total of 18 credit points; and
- 2.2 Specified Intermediate level units of study in Psychology, 18 credit points; and
- 2.3 Intermediate level units of study selected from *Science Table 1*, 12 credit points, which must be in the selected Science teaching subject.

3. **Year III**

- 3.1 Units of study in Education, as specified in the *Table of units of study*, total of 18 credit points; and
- 3.2 Specified Senior units of study in Psychology, 30 credit points.

4. **Year IV**

- 4.1 Units of study in Education, as specified in the *Table of units of study*, including professional experience, 24 credit points; and
- 4.2 Specified units of study in Psychology, 24 credit points.

5. **Year V**

- 5.1 Units of study in Education, as specified in the *Table of units of study*, including professional experience, 16 credit points; and
- 5.2 Specified units of study in Psychology, 20 credit points; and
- 5.3 Senior units of study selected from *Science Table 1*, 12 credit points, to complete study in the Science teaching subject.

School Counselling/Arts

1. **Year I**

- 1.1 Junior units of study in Education, as specified in the *Table of units of study*, total of 12 credit points; and
- 1.2 Specified Junior units of study in Psychology, 12 credit points; and
- 1.3 Junior units of study in Arts, 24 credit points, of which 12 must be in the selected teaching subject.

2. **Year II**

- 2.1 Units of study in Education, as specified in the *Table of units of study*, total of 14 credit points; and
- 2.2 Specified Intermediate level units of study in Psychology, 16 credit points; and
- 2.3 Senior level units of study selected from *Arts Table A*, 18 credit points, which must be in the selected teaching subject.

3. **Year III**

- 3.1 Units of study in Education, as specified in the *Table of units of study*, total of 18 credit points; and
- 3.2 Specified Senior units of study in Psychology, 30 credit points.

4. **Year IV**

- 4.1 Units of study in Education, as specified in the *Table of units of study*, including professional experience, 24 credit points; and
- 4.2 Specified units of study in Psychology, 24 credit points.

5. **Year V**

- 5.1 Units of study in Education, as specified in the *Table of units of study*, including professional experience, 16 credit points; and
- 5.2 Specified units of study in Psychology, 20 credit points; and
- 5.3 Senior units of study selected from *Arts Table A*, 12 credit points, to complete study in the Arts teaching subject.

Requirements for award of the Bachelor of Education with honours

1. **Requirements for the award of the Bachelor of Education with honours**

- 1.1 To qualify to enrol in the honours program candidates shall have a WAM (weighted average mark) of at least 70, averaged across 48 credit points of study excluding junior units of study and professional experience units.
 - 1.1.1 In exceptional cases the Faculty may admit a student with a WAM of 65 or higher.
- 1.2 Candidates shall enrol in specified units of study as set out in the *Table of Units of study*.
- 1.3 Candidates shall complete the requirements for the honours program full-time over two consecutive semesters.
- 1.4 Candidates who fail or discontinue the honours program may not re-enrol in it, except with the approval of the Delegated Faculty Officer.
- 1.5 The honours program shall be assessed, at least in part, by a dissertation of 10,000 words.
- 1.6 The faculty, on the recommendation of the Board of Examiners, or the Delegated Faculty Officer, will determine the class of honours.

2. **Award of the degree**

- 2.1 In accordance with Academic Board policy, the honours degree of the Bachelor of Education shall be awarded to eligible candidates with the following grades:
 - 2.1.1 Honours class I (with an HWAM of at least 75%); or
 - 2.1.2 Honours class II, Division I (with an HWAM of at least 70); or
 - 2.1.3 Honours class II, Division II (with an HWAM of at least 65).
- 2.2 Honours students who have maintained an outstanding academic record throughout the degree and who have achieved Honours Class I, may be eligible for the award of a university medal, in accordance with Academic Board policy and on nomination by the Faculty with the recommendation of the Board of Examiners.
- 2.3 A candidate for the honours program who does not meet the requirements for award of honours shall be awarded the Bachelor of Education pass degree in their designated course.
- 2.4 The testamur for the Bachelor of Education shall specify the course completed in order to qualify for the award, as well as the class of honours achieved, if any, and the medal, if awarded.

Bachelor of Social Work

1. **Requirements for the pass degree**

1.1 **Year 1**

- 1.1.1 Junior units of study in Sociology as specified in the *Social Work Table of units of study*, total of 12 credit points; and
- 1.1.2 Junior units of study selected from those offered by the Faculty of Arts, total of 36 credit points.

- 1.2 **Year II**
- 1.2.1 Senior units of study in Sociology as specified in the Social Work *Table of units of study*, total of 6 credit points; and
- 1.2.2 Senior unit of study in Aboriginal Studies as specified in the Social Work *Table of units of study*, total of 6 credit points; and
- 1.2.3 Senior units of study in Social Work as specified in the Social Work *Table of units of study*, total of 18 credit points;
- 1.2.4 Intermediate units of study in Psychology as specified in the Social Work *Table of units of study*, total of 12 credit points; and senior unit of study as specified in the Social Work *Table of units of study*, total of 6 credit points; and
- 1.2.5 Senior units of study offered by the Faculty of Arts, total of 18 credit points.
- 1.3 **Year III**
- 1.3.1 Senior units of study in Social Work as specified in the Social Work *Table of units of study*, total of 24 credit points; and
- 1.3.2 Field Education 1 consisting of not fewer than 60 days and such attendance at classes as may be prescribed by the Faculty (24 credit points).
- 1.4 **Year IV**
- 1.4.1 Senior units of study in Social Work as specified in the Social Work *Table of units of study*, total of 24 credit points; and
- 1.4.2 Field Education consisting of not fewer than 80 days and such attendance at classes as may be prescribed by the Faculty (24 credit points).
- 2. Progression rules**
- 2.1 A candidate shall proceed according to the following progression rules:
- 2.1.1 Except with the permission of the Faculty, a candidate shall not commence the third year without having obtained 96 credit points as outlined in the Social Work *Table of units of study*.
- 2.1.2 A candidate shall not attempt Field Education 1 without having obtained 120 credit points and having been approved as being ready to undertake field education.
- 2.1.3 A candidate shall not attempt the fourth year without having obtained 144 credit points.
- 2.1.4 A candidate shall not attempt Field Education 2A and 2B without having obtained 153 credit points.
- 2.1.5 A candidate shall not attempt IBL unit 4 without having obtained 177 credit points.
- 2.1.6 A candidate shall not attempt Integrative Studies 402 without having obtained 186 credit points.

Combined Arts/Social Work course

1. To qualify for the award of the degrees students must complete 240 credit points in total from the Faculty of Arts *Table of units of study* and the units of study prescribed for the third and fourth years of the Bachelor of Social Work, including:
 - 1.1 48 Junior credit points from the Faculty of Arts *Table of units of study*, including 12 Junior credit points of Sociology (units coded SCLG);
 - 1.2 a minimum of 66 Senior credit points from Part A of the Faculty of Arts *Table of units of study*, including a major. A Faculty of Arts major consists of 36 Senior credit points in a single subject area, or cross-listed between subject areas, as outlined in *Section 4* The major and cross-listing;
 - 1.3 12 Senior credit points of Sociology (SCLG), as may be specified by the Coordinator of the combined degree program, and which may be included in the total of Senior credit points used to satisfy the requirements of 1.2;
 - 1.4 12 Intermediate credit points of Psychology (PSYC), as may be specified by the Coordinator of the combined degree program; or Psychology for Social Work 201 and 202;
 - 1.5 6 Senior credit points of Aboriginal Studies as may be specified by the Coordinator of the combined degree program;
 - 1.6 96 credit points from the units of study prescribed for the third and fourth years of the Bachelor of Social Work.
2. On written application to the Faculty of Arts, a student may abandon their candidature in the combined degree program and elect to transfer to the Bachelor of Arts degree in accordance with the Resolutions governing that degree at the time of transfer.
3. Candidates in the combined degree program will be under the general supervision of the Faculty of Arts until the end of the semester in which they complete the requirements for the award of the Bachelor of Arts degree.

4. After that they will be under the general supervision of the Faculty of Education and Social Work and will then complete the remaining requirements for the Bachelor of Social Work in accordance with the resolutions for that degree.
5. The Dean of the Faculty of Arts and the Dean of the Faculty of Education and Social Work shall jointly exercise authority in any matter concerning the combined degrees program not otherwise dealt with in these resolutions and/or in the General Faculty of Arts Resolutions relating to undergraduate degrees and combined degrees.

Honours course for Bachelor of Social Work

1. Requirements for the award of the Bachelor of Social Work with Honours

- 1.1 To qualify to enrol in the Honours program, students shall have a WAM (weighted average mark) of at least 70, averaged across 48 credit points comprising 24 credit points in semester 1 of year 3 and 24 credit points of compulsory units of study in year 2.
 - 1.1.1 Eligibility to apply for the Honours program for candidates entering the BSW in the third year under the accelerated entry provisions will be based on a WAM of at least 70 for units of study in semester 1 of the 3rd year of the BSW.
- 1.2 For eligible candidates, entry to the honours program will be competitive.
- 1.3 Availability of places in the Honours program will be determined on the availability of suitable research projects.
- 1.4 Candidates in the Honours program shall enrol in the specified units of study as set out in the *Table of units of study* in second semester of year 3 and second semester of year 4 of the BSW.
- 1.5 The Honours program shall be assessed, at least in part, by a dissertation.
- 1.6 The faculty, on the recommendation of the Board of Examiners or the Delegated Faculty Officer, will determine the class of honours.

2. Award of the degree

- 2.1 In accordance with Academic Board policy, the honours degree of the Bachelor of Social Work shall be awarded to eligible candidates with the following grades:
 - 2.1.1 Honours class I (with a HWAM of at least 75%) or
 - 2.1.2 Honours class II, Division I (with a HWAM of at least 70%) or
 - 2.1.3 Honours class II, Division II (with a HWAM of at least 65%)
- 2.2 Honours students who have maintained an outstanding academic record throughout the degree and who have achieved Honours Class I, may be eligible for the award of a university medal, in accordance with Academic Board policy and on nomination by the Faculty with the recommendation of the Board of Examiners.
- 2.3 Candidates in the Honours program who achieve a WAM of less than 65% shall be awarded the Bachelor of Social Work pass degree.

Faculty Rules

Policies on enrolment

1. Enrolment in more/less than minimum load

- 1.1 A candidate may not enrol in more than a total of 48 credit points, which must be junior credit points, in the first two semesters of study, unless advanced standing or credit has been granted to permit enrolment in senior units.
- 1.2 Except with the permission of the Faculty, candidates for the degree may not enrol in additional units of study once the degree requirements, as stated in the resolutions relating to the particular course, have been satisfied.

2. Repeating a unit of study

- 2.1 Where a student enrolls in a unit of study offered by the Faculty of Education and Social Work which is the same as, or has a substantial amount in common with, a unit of study previously attempted but not completed at the grade of Pass or better, the Faculty may exempt the student from certain requirements of the unit of study if satisfied that the relevant competence has been demonstrated.
- 2.2 A student who has been awarded a Pass (Concessional) in a unit of study may repeat that unit, but if subsequently awarded a grade of Pass or better, no further credit points will be gained unless the unit of study previously had not been credited to the

degree of Bachelor of Education or Bachelor of Social Work or, in respect of a combined degree, under resolutions relating to the Bachelor of Science or the Bachelor of Arts.

2.3 A student who has already passed a unit of study which has been credited to the course may not re-enrol in it in order to gain a better grade.

3. Cross-institutional study

3.1 Provided that permission has been obtained in advance, the Faculty may permit a student to complete a unit of study at another institution and have that unit credited to his/her course requirements provided that either:

3.1.1 the unit of study content is material not taught in any corresponding unit of study in the University; or

3.1.2 the student is unable, for good reason, to attend a corresponding unit of study at the University.

4. Restrictions on courses of enrolment

4.1 The Faculty of Education and Social Work has prescribed the following courses as mutually exclusive in satisfying the requirements for award of the degree:

4.1.1 Life sciences mathematics A and Life sciences mathematics B (with normal units of junior Mathematics in Year 1);

4.1.2 and Economics 1001, 1002 with Economics as a social science (ECOP1001) and Structure and change in modern economics (ECOP1002).

4.2 Except with the permission of the Faculty, candidates for the degree shall not:

4.2.1 enrol in more than 48 credit points each year;

4.2.2 proceed to the units of study prescribed for Year III until the candidate has fulfilled the requirements of Years I and II.

4.3 Except with the permission of the Faculty a candidate may not take a higher unit of study in any unit of study without having previously completed the lower unit(s) of study in the same unit of study or some other unit(s) of study allowed by the Faculty to count as equivalent.

5. Satisfactory progress

5.1 If a candidate for the degree fails or discontinues enrolment in one unit of study twice, the candidate may be asked to show good cause why he or she should be permitted to re-enrol in that unit of study.

5.2 The Faculty reserves the right not to place a student in a school or other professional experience setting for practicum in any instance where the performance, personal or professional conduct of the student does not meet the required standard, regardless of the fact that the student may be enrolled in the practicum.

5.2.1 Teachers and Principals are accountable to parents and school systems to provide quality learning opportunities and outcomes for pupils and they need to be confident that any student teachers placed under supervision in their schools can support and maintain teaching programs and standards.

5.2.2 Social work agencies are similarly accountable for their quality of service and need to be confident that any student placed under their supervision can meet all agency expectations in terms of performance and personal and professional conduct.

5.3 If a candidate for the degree fails to pass a minimum of 50 percent (equivalent to 24 credit points) of the program of enrolment in each of any two consecutive years of candidature he or she shall be deemed not to have made satisfactory progress in the degree.

6. Credit transfer policy

6.1 A candidate who has completed work or a unit(s) of study towards a degree at this or another university, or towards an equivalent qualification at an appropriate institution, or as a non-award student, may be granted credit towards the degree of Bachelor of Education or the Bachelor of Social Work for up to half of the overall coursework requirements (96 credit points) provided that the content of the work or unit(s) of study is considered by the Faculty on the recommendation of the head of the school or department concerned to be equivalent to a unit(s) of study prescribed in section 1.

6.2 A candidate granted credit toward the degree under Section 6.1 shall:

6.2.1 count towards the degree all units of study so credited subject to the provisions of these resolutions;

6.2.2 not count toward the degree any unit(s) of study completed subsequently within the University of Sydney which overlaps

substantially in content with the work or unit(s) of study upon which grant of credit was based;

6.2.3 complete all necessary qualifying units of study for the degree within such period of time and such number of years of candidature as the Faculty may determine having regard to the number of units of study credited, the length of time over which the unit(s) of study concerned were completed and the time limits for the completion of the degree prescribed under these resolutions.

6.3 Credit may be granted as specific or specified credit if the unit of study is considered to be directly equivalent to a unit of study in the *Table of units of study* for the Bachelor of Education or, *Table of units of study* for the Bachelor of Social Work or, in the case of the combined degrees, equivalent to a unit of study available for one of the degrees, or as non-specific or non-specified credit.

6.4 Unless otherwise permitted by Faculty a candidate shall not be granted credit towards the degree for or on the basis of any unit(s) of study:

6.4.1 completed more than five years prior to admission or re-admission to candidature for Bachelor of Education or combined Education students, and in the case of social work students, nine years;

6.4.2 equivalent to more than 48 credit points upon which the candidate has relied or intends to rely in order to satisfy requirements for award of another degree or qualification.

6.5 A Social Work student will not be granted credit for field education or work experience.

6.6 A citizen or permanent resident of Australia who holds a social work qualification obtained in a country other than Australia and which has been assessed by the National Office of Overseas Skills Recognition or the Australian Association of Social Workers as being equivalent to three years of full-time tertiary degree level social work study in Australia, may be admitted to the fourth year.

7. Time limits

7.1 Unless otherwise permitted by Faculty a candidate shall complete all the requirements for award of the degree within eight calendar years of admission or re-admission to candidature.

8. Suspension of candidature

8.1 Unless suspension of candidature has been approved by Faculty, a candidate for the degree is required to re-enrol each calendar year.

8.2 Except where the Faculty determines otherwise in any particular case, a candidate who re-enrols after a suspension of candidature for any period shall proceed under the by-laws and resolutions in force at the time of re-enrolment.

9. Lapse of candidature

9.1 Unless the Faculty otherwise determines in any particular case, candidature for the degree will be deemed to have lapsed if a candidate has:

9.1.1 not completed all the requirements for award of the degree in accordance with resolutions; or

9.1.2 not re-enrolled for the degree as required in accordance with resolution 8.

9.2 A candidate whose candidature has been deemed to have lapsed in accordance with section 9.1 shall not re-enrol as a candidate for the degree unless again selected for admission.

Policies on variation, withdrawal and discontinuation of enrolment

Candidates wishing to change a unit of study in which they have enrolled should do so through the Intranet at University Student Administration Services website or at the Faculty of Education and Social Work Office by Tuesday 31 March 2009 for Semester 1 and Monday 31 August 2009 for Semester 2.

1. Enrolment

1.1 Students are responsible for seeking academic advice about enrolment and checking the Confirmation of Enrolment advice mailed to them each semester. Any anomalies must be reported to the Faculty of Education and Social Work Office staff prior to the HECS Census Date.

1.2 Students who are not enrolled in a unit of study may not carry over results to subsequent semesters.

- 1.3 Candidates who fail to complete units of study in which they enrol receive one of four results: 'Withdrawn', 'Discontinued – Not to count as failure', 'Discontinued – Fail' or 'Absent Fail'.
2. **Withdrawal**
- 2.1 This is the same as if the candidate had not enrolled in the unit of study concerned. Although the University has a record of the withdrawal, the unit of study and result will not appear on the official transcript of academic record.
- 2.2 In order to have a unit of study enrolment recorded as 'withdrawn', students must vary their own enrolment on the Web or notice must be given by the candidate to the Faculty of Education and Social Work Office on or before the deadline. For Semester 1 or Full Year units of study the deadline is Tuesday 31 March 2009; for Semester 2 units of study the deadline is Monday 31 August 2009.
3. **Discontinued – not to count as failure**
- 3.1 This does not count as an attempt at the unit of study, but does appear on the candidate's academic record.
- 3.2 After the deadline for withdrawal has passed a candidate may have enrolment recorded as 'discontinued with permission' where:
- 3.2.1 evidence is produced of serious illness or misadventure; or
- 3.2.2 notice is given to the Faculty of Education and Social Work Office on or before the deadline.
- 3.3 The deadlines for discontinuation with permission without having to produce evidence of serious illness or misadventure are:
- 3.3.1 for Semester 1 units of study: the end of the 7th week of lectures;
- 3.3.2 for Semester 2 units of study: on or before the 7th week of lectures.
4. **Discontinued – fail**
- 4.1 This counts as an unsuccessful attempt at the unit of study concerned and appears on the candidate's academic record.
- 4.2 Except with Faculty permission, candidates may not repeat a unit of study which they have failed or discontinued more than once.
- 4.3 In order to have 'discontinued' recorded, notice must be given to the Faculty of Education Office on or before the last day of lectures for the unit of study:
- 4.3.1 for Semester 1 units of study the deadline is Friday 5 June 2009;
- 4.3.2 for Semester 2 units of study the deadline is Friday 30 October 2009.
- 4.4 If a candidate misses the deadline and does not sit the final examination, the result recorded is 'absent fail'.

Information for Students on Policies, Procedures and Style Guide for Faculty of Education and Social Work (*The Little Blue Book*) (PDF), can be found at the following website:
http://www.edsw.usyd.edu.au/current_students/policies/faculty.shtml

9. Postgraduate information

The Faculty of Education and Social Work offers a range of postgraduate research and coursework degrees, diplomas and certificates. Detailed information on these programs may be found in the postgraduate handbook available from the Faculty Office or the Faculty website.

Research programs

Doctor of Philosophy (PhD)

The PhD degree is awarded for a program of original research carried out under the guidance of a supervisor with expertise in the candidate's area of interest. The research is embodied in a thesis of 80,000 words. While the degree is completed by research some units of study may be completed if appropriate.

Doctor of Education (EdD)

The Doctor of Education degree combines research and coursework. The latter involves research training components with group supervision, as well as individual supervision. It is a professionally oriented research program culminating in the production of a thesis of 50,000 words.

Doctor of Social Work (DSW)

The course will enable experienced practitioners in social work to:

- develop excellence in practice research and practice development
- review and develop theoretical approaches to the changing context of welfare
- articulate new forms of practice appropriate for the new century; and
- be qualified to take on leadership roles in the profession and in human services.

Students must successfully complete required coursework and a thesis of 50,000 words.

Master of Philosophy in Education (MPhilEd)

The Master of Philosophy in Education degree consists of a supervised research component and required coursework. It is designed for students interested in pursuing research but not eligible to undertake a PhD. It requires completion of original research under supervision, and a thesis of upper limit of 30,000 words. Supportive coursework in both content and research methodology need also be completed.

Master of Philosophy in Social Work (MPhilSW)

Students are encouraged to pursue their own interests in the selection of research topics, particularly so in relation to developing projects based on their professional practice. Research interests include specific population groups, theories of social work practice, comparative studies of welfare policy and practice in a range of socio-cultural settings, including Europe and Asia; the history and theory of the welfare state, a range of social issues, and social policy areas. Students must successfully complete required coursework and a thesis of upper limit of 30,000 words.

Master of Education (Research)

The aim of the MEd (Research) is to provide students with an advanced level of research training experience in the area of Education that will make a contribution to knowledge in their particular area or specialisation. The MEd (Research) is designed for students who wish to extend their studies primarily by research but who do not have an

undergraduate honours degree or other qualification that would allow them to enter into a doctoral level degree. The MEd (Research) will allow students to develop and demonstrate their research capacity within the master's degree through thesis only (25,000 words) or through a thesis (20,000 words) combined with coursework.

For more information contact:

Venice Jureidini-Briozzo
Room 307 Education Building
Phone: +61 2 9351 7048
Fax: +61 2 9351 5027
Email: v.jureidini@edfac.usyd.edu.au

Coursework programs

Master of Education (MEd)

The Master of Education is primarily a degree by coursework. Candidates may either complete a designated degree in one of a range of areas offered, or complete a generic MEd by selecting units from across the designated areas. Designated master's programs are offered which take a particular focus on a specialised area of study. These include:

- Coach Education (restricted entry criteria)
- Educational Psychology
- English and Literacies in Education
- Educational Management and Leadership
- Higher Education (restricted entry criteria)
- International Education
- Research Methodology
- Special Education
- TESOL/Languages
- Teaching and Curriculum Studies

Master of Learning Science and Technology

This is an innovative degree program that caters to current and prospective e-learning professionals, as well as students who seek to forge a research career in ICT-supported learning. As such, this program is available in two streams. Professional Stream is intended to meet the needs of future e-learning professionals and those already working in the industry, government and education who are seeking to advance their careers in the field of e-learning/technology-supported learning. The Research Stream is intended for those who wish to do research in ICT-supported learning and are likely to progress to a PhD in the field.

Master of Policy Studies (MPS)

The course aims to equip students with conceptual skills required for practical policy analysis and policy development in educational and social and community services domains. The course will have a strong focus on policy practice for policy professionals and service workers in non-government human services organisations. The degree will be delivered on-campus, though some electives may use other methods of delivery.

Master of Social Work (MSW)

The course is designed to allow social work practitioners to reflect on and formulate their practice; read about and appraise alternative practices and theories; and assess their work problems and clients' needs in new ways. The aim is to evaluate existing practice and



provision critically, with a view to promoting change and improvement in services offered and outcomes effected in the lives and situations of clients. It offers opportunities for the analysis and investigation of theories and initiatives in social policy and their impact.

Master of Social Work International (MSW International)

This program would be of particular interest to social workers who want to extend their knowledge of social work and social policy in a comparative international context. Students spend one semester full-time in a university linked to the University of Sydney where a strong university/field collaboration has been established.

Graduate Diploma and Certificate in Learning Science and Technology

These programs are designed to meet the demands of current e-Learning professionals, to supplement and support their work in learning and/or development, be it within corporate training, tertiary education, or other sectors. It provides a foundation in the key theories and practical methodologies that can support the design of effective technology-supported learning. The Graduate Certificate can be articulated with the Graduate Diploma and the Master of Learning Science and Technology.

Graduate Diplomas and Certificates in Educational Studies and Social Work

Graduate Diplomas and Certificates are available in all the designated areas for the MEd, MSW, and the MPS. Some of these articulate with the master's programs and credit may be granted for units completed towards award of the master's programs.

The Graduate Certificate in Teaching English as a Foreign Language

This Graduate Certificate has been especially designed to meet the needs and interests of candidates whose area of expertise is in

teaching English as a foreign language. The Graduate Certificate TEFL program is intended for overseas teachers of English who wish to take a short intensive professional development course. After successful completion of the Graduate Certificate, it may be possible to complete a Master of Education (TESOL).

For more information on these programs contact the Administrative Advisers in the Division of Graduate Studies:

Maryke Sutton, Gilbert Cheng
Room 307 Education Building
Phone: +61 2 9351 4605; +61 2 9351 4054
Fax: +61 2 9351 5027
Email: gradinfo@edfac.usyd.edu.au

Master of Teaching/Bachelor of Teaching

Students who have completed a first degree in, say, Arts, Economics or Science, and wish to undertake teacher training in either Early Childhood, Primary, Secondary or School Counselling, may apply for admission to the Master of Teaching degree. This is a highly innovative program preparing professional educators through the use of self-directed learning and case based study. The course provides training in the practice of teaching in your chosen disciplines and includes a large component of practical classroom experience. The final semester of this two year program is taken up with an internship in a school. An Honours program is available. Please refer to the MTeach website at:

http://www.edsw.usyd.edu.au/future_students/postgraduate/index.shtml

For more information about this course contact:

Edwina Hood
Education Building
Phone: +61 2 9036 5344
Fax: +61 2 9351 5027
Email: e.hood@edfac.usyd.edu.

The Sydney Summer and Winter Schools

2009	Dates
Summer School	December 2008 to February 2009
Winter School	29 June to 25 July 2009

The Summer School

The Summer School is a full fee-paying, intensive program offering high quality undergraduate and postgraduate subjects from nine faculties. These subjects are the same as those offered in Semesters One and Two, but are taught as an intensive program over summer.

Some classes commence in December; others commence in the first week of January; others in the third week and continue into February (including the exam week). Some subjects run for six weeks; others are shorter. Students can take a maximum of two subjects.

The Winter School

The Winter School is a smaller, more intensive program that runs for four weeks, including the exam week, during July.

Advantages

Attending classes at Sydney University during Summer and Winter School offers many advantages. You can:

- accelerate your academic career and finish your degree sooner
- devote your full attention to a single area of study
- take subjects that are outside your normal degree
- reduce your workload throughout the rest of the year
- repeat subjects in which you may have been unsuccessful
- combine study with a field trip in Australia or a tour overseas.

High school graduates can sample a university subject, and get an early start on their degree.

How to apply

Applications are only accepted online at www.summer.usyd.edu.au. Most subjects have limited places and fill very quickly. All places are filled strictly on a first-in, first-served basis so it is recommended that you apply early.

Applications open on:

- 29 September 2008 (Summer School)
- 25 May 2009 (Winter School)

Applications close:
28 November 2008 (Session 1, Summer December)
12 December 2008 (Session 2, Summer Main)
9 January 2009 (Session 3, Summer Late)
12 June 2009 (Winter School)

Late application fees may apply after these dates.

Census dates

Students can withdraw from their subject without academic penalty and receive a full refund until the census date (based on when the class commences). However, a late withdrawal fee may apply.

There is one census date for the Winter School, and three for the Summer School, as classes start between December and February.

ID	Session name	Classes begin	Census date
42*	Summer December	8 December 2008	2 January 2009
43	Summer Main	5 January 2009	9 January 2009
44**	Summer Late	19 January 2009	5 February 2009
11	Winter School	29 June 2009	3 July 2009

* 42 Summer December: Allows for a unit to run for 3-9 weeks, provided that the 20 per cent criterion is met.

** 44 Summer Late: Last exam must be held by 1 March.

Withdrawal and refund policy

- For Summer School classes starting in **December 2008**, students who withdraw from a subject between 29 November 2008 and the relevant census date will receive a refund of tuition fees but will be liable for a \$500 late withdrawal fee.
- For Summer School classes starting in **January 2009**, students who withdraw from a subject between 13 December 2008 and the relevant census date will receive a refund of tuition fees but will be liable for a \$500 late withdrawal fee.
- For Winter School classes starting on **29 June 2009**, students who withdraw from a subject between 27 June 2009 and the relevant census date will receive a refund of their tuition fees but will be liable for a \$500 late fee withdrawal.

Students may withdraw from their Summer or Winter School subject(s) up until 4pm on the last day of the teaching period for that particular subject. However, there may be an academic penalty (please refer to our website). The teaching period for purposes of this policy is defined in hours of published classes from the first day through to the last day of classes, excluding any final examination or assessment.

Students who withdraw from a subject after 4pm on the relevant census date will receive no refund of their tuition fee.

Transferring between subjects

Students on a waiting list can transfer between subjects at any time prior to the commencement of class. For all other students, transfers should be completed a week before classes commence. **No** transfers will be allowed after commencement of the class.

Summer and Winter School scholarships

Merit scholarships

Three undergraduate merit scholarships and one postgraduate merit scholarship are available. These are automatically awarded to the top four students in their respective faculty (Arts, Science, or Economics and Business) for their Summer School subject.

Educational/Financial Disadvantage scholarships

Full Summer School scholarships are available to local undergraduate students who have a good academic record. To be eligible for consideration you will need to provide evidence of long-term and serious educational disadvantage based on two or more criteria, one of which must be financial hardship. Please check our website for further details. Scholarship applications close on 31 October 2008 (Summer School), and 10 June 2009 (Winter School).

For more information

Website: www.summer.usyd.edu.au

Email: info@summer.usyd.edu.au

Phone: +61 2 9351 5542 Fax: +61 2 9351 5888



General University information

For further information or advice, please call our toll-free helpline on **1300 362 006**.

This section includes information on the following:

Academic progression
 Accommodation Service
 Admissions Office
 Applying for a course
 Attendance
 Bus service
 Campuses
 Careers Centre
 Centre for Continuing Education (CCE)
 Centre for English Teaching (CET)
 Child Care Information Office
 The Co-op Bookshop
 Counselling Service
 Disability Services
 Employment opportunities for students
 Enrolment
 Environmental Policy
 Equity Support Services
 Examinations
 Fees
 Financial Assistance Office
 Freedom of Information
 Graduations Office
 Grievances and appeals
 HECS and Fees Office
 Information and Communications Technology
 International Office
 International Student Support Unit (ISSU)
 Koori Centre and Yooroang Garang
 Learning Centre
 Library
 Mathematics Learning Centre
 Museums and galleries
 MyUni Student Portal
 Orientation and O-Week
 Part-time, full-time attendance
 Policy online
 Printing Service (UPS)
 Privacy
 Research Office
 Scholarships for undergraduates
 Security Service
 Service Management, Information and Communications Technology (ICT)
 Staff and Student Equal Opportunity Unit (SSEOU)
 Student Administration and Support
 Student Centre
 Student identity cards
 Sydney Summer School
 Sydney Student Development
 Sydney Welcome Orientation and Transition Program (SWOT)
 The University of Sydney Foundation Program (USFP)
 Timetabling Unit
 University Health Service

Academic progression

The University requires students to maintain a minimum rate of progression throughout their candidature. Any student who does not satisfy progression requirements for their degree will be placed on a monitored academic progression program. This program requires students to consult an academic adviser in their faculty, to attend a support services information session, and fill in a survey. Students will be advised of the requirements of the program by their faculty.

Students who do not sustain the minimum academic progression requirements may be asked to show cause as to why they should not be excluded from their degree. For further information, please see www.usyd.edu.au/secretariat/students.

Student Affairs, Registrar's Division
 Quadrangle, A14
 The University of Sydney
 NSW 2006 Australia

Phone: +61 2 9351 3183
 Fax: +61 2 9351 3572
 Email: appeals@secretariat.usyd.edu.au

Accommodation Service

This service maintains an extensive database of off-campus accommodation, including shared, full-board and rental properties. Current students can access the online database through the accommodation website or MyUni student portal (myuni.usyd.edu.au).

Level 5, Jane Foss Russell Building, G02
 The University of Sydney
 NSW 2006 Australia

Phone: +61 2 9351 3312
 Fax: +61 2 9351 8262
 Email: accomm@stuserv.usyd.edu.au
 Website: www.usyd.edu.au/stuserv/accommodation

Admissions Office

The Admissions Office, located in the Student Centre, is responsible for overseeing the distribution of offers to undergraduate applicants through the Universities Admission Centre (UAC). They can advise prospective local undergraduate students on admission requirements. Postgraduate students should contact the appropriate faculty.

- If you are an Australian citizen, or permanent resident with qualifications from a non-Australian institution, you can get more information by phoning +61 2 9351 4118.
- For enquiries regarding special admissions (including mature-age entry), phone +61 2 9351 3615.
- Applicants without Australian citizenship or permanent residency should contact the International Office.

Admissions Office, Student Centre
 Level 3, Jane Foss Russell Building, G02
 The University of Sydney
 NSW 2006 Australia

Phone: +61 2 9351 4117 or +61 2 9351 4118
 Fax: +61 2 9351 4869
 Email: admissions@records.usyd.edu.au
 Website: www.usyd.edu.au/studentcentre/admissions



Applying for a course

Domestic applicants for undergraduate courses and programs of study

For the purpose of admission and enrolment, 'domestic applicant' refers to citizens and permanent residents of Australia and citizens of New Zealand. If you are in this group and wish to apply for admission to an undergraduate course, you would generally apply through the Universities Admissions Centre (UAC).

The deadline for applications is the last working day in September in the year before enrolment. For more information see www.uac.edu.au.

Some faculties have additional application procedures, such as the Conservatorium of Music, Sydney College of the Arts and Pharmacy.

Domestic applicants for postgraduate courses and programs of study

For the purpose of admission and enrolment, 'domestic applicant' refers to citizens and permanent residents of Australia and citizens of New Zealand. Application is direct to the faculty which offers the course that you are interested in. Application forms for postgraduate coursework, postgraduate research and the master's qualifying or preliminary program and for non-award postgraduate study can be found at www.usyd.edu.au/studentcentre.

Note: some faculties use their own specially tailored application forms for admission into their courses. Check with the relevant faculty.

International applicants for all course types (undergraduate and postgraduate)

'International applicants' refers to all applicants other than Australian citizens, Australian permanent residents and citizens of New Zealand. In the majority of cases international applicants apply for admission through the University's International Office (IO). All the information international applicants need, including application forms, is available from the IO website (www.usyd.edu.au/internationaloffice).

Attendance

In cases of illness or misadventure, students should complete an *Application for Special Consideration* form, accompanied by relevant documentation, such as medical certificates, and submit it to the relevant faculty office.

The forms are available at faculty offices, the Student Centre, and online at www.usyd.edu.au/studentcentre/forms.shtml.

Exemption from re-attendance

Although you may have attended certain lectures or practical classes before, exemption from re-attendance is granted only in exceptional circumstances. In any case, you are required to enrol in all units of study in which you propose to take examinations, whether or not you have been granted leave of absence (or exemption) from re-attendance at lectures and/or practical work. To obtain exemption from re-attendance, apply at your faculty office.

Bus service

A free bus service operates to, from and around Camperdown and Darlington campuses each weekday that Fisher Library is open (except for public holidays). The service commences at 4.15pm and concludes at Fisher Library closing time.

Two buses operate along the route, starting at Fisher Library and finishing at Redfern station. The buses leave at approximately 10 minute intervals during semester and in semester breaks.

The bus timetable/route guide can be collected from Security Administration or Campus Infrastructure Services reception.

Floor 2, Services Building G12
Corner of Codrington and Abercrombie Streets
Darlington Campus

The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4753
Fax: +61 2 9351 5699
Website: www.security.usyd.edu.au

Campuses

The University has ten different teaching campuses, located throughout the Sydney area. For information on each campus, including maps, contact details and parking information, see www.usyd.edu.au/about/campus/pub/campus.shtml.

Campus	Faculties
Camperdown and Darlington campuses	Faculty of Arts Faculty of Architecture, Design and Planning Faculty of Agriculture, Food and Natural Resources Faculty of Economics and Business Faculty of Education and Social Work Faculty of Engineering and Information Technologies Faculty of Medicine Faculty of Pharmacy Faculty of Science Faculty of Veterinary Science The Sydney Summer School
Cumberland Campus	Faculty of Health Sciences
St James Campus	Faculty of Law
Mallett Street Campus	Faculty of Nursing and Midwifery The Centre for English Teaching The NHMRC Clinical Trials Centre
Sydney Conservatorium of Music	The Sydney Conservatorium of Music
Sydney College of the Arts	Sydney College of the Arts (SCA)
Camden Campus	Faculty of Veterinary Science Faculty of Agriculture, Food and Natural Resources
Surry Hills Campus	Faculty of Dentistry
Burren Street Campus	Institute of Transport and Logistics Studies

Careers Centre

The University's Careers Centre can provide you with assistance if you are not sure of your career path, and help you to find both casual and career-related employment.

The Careers Centre provides a range of free and accessible services for students, including:

- help in finding casual and part-time work
- finding career-related work experience and graduate employment
- an internet vacancy database
- individual careers advice and counselling, by appointment
- comprehensive library and online resources
- workshops in resume writing, interview skills, and job searching
- careers fairs, employer presentations and talks.

Careers Centre
Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3481
Fax: +61 2 9351 5134
Email: careers.information@usyd.edu.au
Website: www.careers.usyd.edu.au

Centre for Continuing Education (CCE)

The CCE provides the community with the opportunity to engage with the University of Sydney, offering people access to the academic expertise of one of Australia's finest educational institutions.

As a community leader, the CCE provides lifelong learning opportunities for people at all stages of life who want to undertake a course in self-enrichment, engage in active retirement learning,

upgrade their professional skills and qualifications, or bridge a gap between previous study and university. CCE offers short courses in all areas of the Humanities and Social Sciences, Languages, Science and Technology, Business and Management, and Continuing Professional Development.

160 Missenden Road
Newtown NSW 2042

Postal address:
Locked Bag 2020
Glebe NSW 2037

Phone: +61 2 9036 4789
Fax: +61 2 9036 4799
Email: cce.info@usyd.edu.au
Website: www.cce.usyd.edu.au

Centre for English Teaching (CET)

The CET offers English language and academic study skills programs to international students who need to develop their English language skills in order to meet academic entry requirements.

Wentworth Building, G01
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9036 7900
Fax: +61 2 9036 7910
Email: info@cet.usyd.edu.au
Website: www.usyd.edu.au/cet

Child Care Information Office

The Child Care Information Office has information for parents who are students and staff of the University, about child care centres, vacation and occasional care. For more details, see the child care website, via the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Child Care Information Office
Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 5667
Fax: +61 2 9351 7055
Email: childc@stuserv.usyd.edu.au
Website: www.usyd.edu.au/childcare

The Co-op Bookshop

The Co-op Bookshop is a one-stop store for:

- textbooks
- general books
- reference books
- University of Sydney clothing and memorabilia
- DVDs
- flash drives
- software at academic prices

Take advantage of a lifetime of membership benefits. For a one-time joining fee of \$20, you are entitled to great member pricing, promotional offers and much more.

The Co-op Bookshop
Sports and Aquatic Centre Building, G09
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3705
Fax: +61 2 9660 5256
Email: sydu@coop-bookshop.com.au
Website: www.coop-bookshop.com.au

Counselling Service

The Counselling Service aims to help students fulfil their academic, individual and social goals, by providing short-term, problem-focused counselling to promote psychological wellbeing and help students develop effective and realistic coping strategies. International students can access counselling assistance through the International Student Support Unit (ISSU).

Each semester the Counselling Service runs a program of workshops which are designed to help students master essential study and life management skills. These are open to all local and international students. Phone to make an appointment. Daily walk-in appointments are also available between 11am and 3pm.

For details of workshops, activities and online resources, see the Counselling Service website via the MyUni portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Camperdown and Darlington campuses

Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2228
Fax: +61 2 9351 7055
Email: counsell@stuserv.usyd.edu.au
Website: www.usyd.edu.au/counsel

Cumberland Campus

Ground Floor, A Block, C42
The University of Sydney
East Street, Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: CS.Cumberland@stuserv.usyd.edu.au

Disability Services

Disability Services is the principal point of contact for advice on assistance available for students with disabilities. Students need to register to receive support and assistance. Disability Services works closely with academic and administrative staff to ensure that students receive reasonable accommodation in their areas of study.

Assistance includes note taking, interpreters, and negotiation with academic staff regarding assessment and course-requirement modifications where appropriate. For details on registering, including required documentation and online resources, see the Disability Services' website via the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Camperdown and Darlington campuses

Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 7040
Fax: +61 2 9351 3320
TTY: +61 2 9351 3412
Email: disserv@stuserv.usyd.edu.au
Website: www.usyd.edu.au/disability

Cumberland Campus

Ground Floor, A Block, C42
The University of Sydney
East Street, Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: DS.Cumberland@stuserv.usyd.edu.au

Employment opportunities for students

See 'Sydney Student Development'.

Enrolment

Domestic and international students entering their first year via UAC

Details of enrolment procedures will be sent to students with their UAC offer of enrolment. Enrolment takes place during the last week of January or in February for the later offer rounds.

Domestic and international students entering their first year via a direct offer from the University

Details of the enrolment procedures will be sent to students with their University offer of enrolment. Enrolment takes place during the first two weeks of February.

All continuing domestic and international students

A pre-enrolment package is sent to all enrolled students in late September and contains instructions on the procedure for web-based pre-enrolment.

Environmental Policy

The University of Sydney's Environmental Policy promotes sustainable resource and product use and encourages the practice of environmental stewardship by staff and students. The policy is supported by the University-wide Sustainable Campus Program. Enquiries can be directed to:

Manager, Campus Sustainability
Phone: +61 2 9036 5441
Email: sustainable@usyd.edu.au

Visit the website www.usyd.edu.au/sustainable to find out what the University is doing, and learn how you can get involved, make suggestions or receive the Sustainable Campus Newsletter.

Equity Support Services

Equity Support Services, located within Student Administration and Support, brings together a number of student support services that produce practical assistance and information to help students meet their academic and personal goals while at University.

Services include the Accommodation Service, Casual Employment Service, Child Care Information Office, Disability Services and the Financial Assistance Office.

More information is available through the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Examinations

Most examinations are facilitated primarily through the Examinations Office. However, some faculties arrange and conduct their own examinations.

Information and timetables on examinations can be located by searching the University's website. For more details, contact the Examinations Office.

Student Centre
Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4005 or +61 2 9351 4006
Fax: +61 2 9351 7330
Email: exams.office@exams.usyd.edu.au

Fees

The Fees Office provides information on where and how to pay fees, and how to find out if payments have been received. The office can also provide information on obtaining a refund for fee payments. More details are available on the website (listed below).

Fees Office
Margaret Telfer Building, K07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 5222
Fax: +61 2 9114 0556
Email: feespay@usyd.edu.au
Website: www.finance.usyd.edu.au/revenue_income/fees.shtml
Office hours: 9am to 4.30pm, Monday to Friday

Financial Assistance Office

The University of Sydney has a number of loan and bursary funds to assist students experiencing financial difficulties. Loan assistance is available for undergraduate and postgraduate students enrolled in degree and diploma courses at the University.

The assistance is not intended to provide the principle means of support but to help enrolled students in financial need with expenses such as housing bonds and rent, phone and electricity bills, medical expenses, and buying textbooks and course equipment.

Loans are interest-free and are usually repayable within one year. Bursaries may be awarded depending on financial need and academic merit and are usually only available to local full-time undergraduate students. Advertised bursaries, including first-year bursaries, are advertised through the MyUni student portal in January each year.

For details of types of assistance and online resources provided by the service see the Financial Assistance website via the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2416
Fax: +61 2 9351 7055
Email: fao@stuserv.usyd.edu.au
Website: www.usyd.edu.au/fin_assist

Freedom of Information

The University of Sydney falls within the jurisdiction of the *NSW Freedom of Information Act 1989*. The Act:

- requires information concerning documents held by the University to be made available to the public
- enables a member of the public to obtain access to documents held by the University; and
- enables a member of the public to ensure that records held by the University concerning his or her personal affairs are not incomplete, incorrect, out of date or misleading.

A 'member of the public' includes staff and students of the University.

It is a requirement of the Act that applications be processed and a determination made within a specified time period, generally 21 days. Determinations are made by the University's Registrar.

While an application may be made to access University documents, some may not be released in accordance with particular exemptions provided by the Act. There are review and appeal mechanisms which apply when access has been refused.

The University is required to report to the public on its freedom of information activities on a regular basis and to produce two documents: a *Statement of Affairs* (annually) and a *Summary of Affairs* (every six months).

The *Statement of Affairs* contains information about the University, its structure, function and the kinds of documents held. The *Summary of Affairs* identifies the University's policy documents and provides information on how to make an application for access to University documents. More information and copies of the reports can be found at www.usyd.edu.au/arms/info_freedom.

Graduations Office

The Graduations Office is responsible for organising graduation ceremonies and informing students of their graduation arrangements.

Student Centre
Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3199 or +61 2 9351 4009
Protocol enquiries: +61 2 9351 4612
Fax: +61 2 9351 5072

Grievances and appeals

You may consider that a decision affecting your candidature for a degree or other activities at the University has not taken into account all relevant matters. In some cases the by-laws or resolutions of the Senate provide for a right of appeal against particular decisions. For example, there is provision for appeal against academic decisions, disciplinary decisions and exclusion after failure.

A document outlining the current procedures for appeals against academic decisions is available at the Student Centre, the Student Representative Council, and on the Policy Online website (www.usyd.edu.au/policy (click on 'Study at the University', then 'Appeals' – see the Academic Board and Senate resolutions).

For assistance or advice regarding an appeal contact:

Undergraduates

Students' Representative Council
Level 1, Wentworth Building, G01
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9660 5222

Postgraduates

Sydney University Postgraduate Representative Association (SUPRA)
Corner of Raglan and Abercrombie Streets
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 3115

HECS and Fees Office

Student Centre
Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 5659
Fax: +61 2 9036 6111
Email: hecs.fees@records.usyd.edu.au

Information and Communications Technology (ICT)

See 'Service Management, Information and Communications Technology'.

International Office

The International Office helps international students with application, admission and enrolment procedures. The International Office has units responsible for international marketing, government and student relations, international scholarships (including AusAID scholarships and administrative support for international financial aid programs), and compliance with government regulations relating to international students.

The Study Abroad and Student Exchange units assist both domestic and international students who wish to enrol for study abroad or exchange programs.

International Office

Services Building, G12
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4079
Fax: +61 2 9351 4013
Email: info@io.usyd.edu.au
Website: www.usyd.edu.au/internationaloffice

Study Abroad

Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: studyabroad@io.usyd.edu.au
Website: www.usyd.edu.au/studyabroad

Student Exchange

Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: exchange@io.usyd.edu.au
Website: www.usyd.edu.au/studentexchange

International Student Support Unit (ISSU)

The ISSU helps international students through the provision of orientation, counselling and welfare services to both students and their families. ISSU aims to help international students cope successfully with the challenges of living and studying in an unfamiliar culture, to achieve success in their studies and to make the experience of being an international student rewarding and enjoyable.

For details of orientation activities, counselling and welfare services provided to both students and their families and online resources, see the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv). International students also have access to all University student support services.

Camperdown and Darlington campuses

Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4749
Fax: +61 2 9351 6818
Email: info@issu.usyd.edu.au
Website: www.usyd.edu.au/issu

Cumberland Campus

Ground Floor, A Block, Cumberland Campus, C42
The University of Sydney
East Street, Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: ISSU.Cumberland@stuserv.usyd.edu.au
Website: www.usyd.edu.au/issu

Koori Centre and Yooroang Garang

The Koori Centre and Yooroang Garang support Aboriginal and Torres Strait Islander people in all aspects of tertiary education at the University of Sydney. The Cadigal Special Entry Program assists Indigenous Australians to enter undergraduate study across all areas of the University.

As well as delivering block-mode courses for Indigenous Australian students, the Koori Centre teaches Indigenous Australian Studies in various faculties across mainstream courses. The Koori Centre also provides tutorial assistance, and student facilities including a computer lab, indigenous research library and study rooms for Indigenous Australian students at the University.

In particular, the Koori Centre aims to increase the successful participation of Indigenous Australians in undergraduate and postgraduate degrees, develop the teaching of Aboriginal studies, conduct research in the field of Aboriginal education, and establish working ties with schools and communities.

The Koori Centre works in close collaboration with Yooroang Garang, School of Indigenous Health Studies in the Faculty of Health Sciences at the Cumberland Campus. Yooroang Garang provides assistance, advice and academic support for Indigenous students in the faculty, as well as preparatory undergraduate and postgraduate courses.

Koori Centre

Ground Floor, Old Teachers College, A22
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2046 (general enquiries)
Toll-free within Australia: 1800 622 742
Community Liaison Officer: +61 2 9351 7003
Fax: +61 2 9351 6923
Email: koori@koori.usyd.edu.au
Website: www.koori.usyd.edu.au

Yooroang Garang

T Block, Level 4, Cumberland Campus, C42
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 9393
Toll free: 1800 000 418
Fax: +61 2 9351 9400
Email: yginfo@fhs.usyd.edu.au
Website: www.yg.fhs.usyd.edu.au

Learning Centre

The Learning Centre helps students develop the generic learning and communication skills that are necessary for university study and beyond. The centre is committed to helping students achieve their academic potential during their undergraduate and postgraduate studies.

Learning Centre staff can be found at the Camperdown, Darlington and Cumberland campuses. The centre's program includes a wide range of workshops on study skills, academic reading and writing, oral communication skills and postgraduate writing and research skills. Other services include an individual learning program, a faculty-based program and access to online and print-based learning resources.

For details of programs, activities and online resources available from the Learning Centre, see its website via the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Camperdown and Darlington campuses

Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3853
Fax: +61 2 9351 4865
Email: lc@stuserv.usyd.edu.au
Website: www.usyd.edu.au/lc

Cumberland Campus

Ground Floor, A Block, C42
The University of Sydney
East Street, Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: LC.Cumberland@stuserv.usyd.edu.au
Website: www.usyd.edu.au/stuserv/learning_centre/cumberl.shtml

Library

The University of Sydney Library provides services via a network of 14 libraries on 10 campuses, and online at www.library.usyd.edu.au.

The location, opening hours and specific subject focus of each library is listed on the website. Over 5.5 million items are available via the library catalogue, including more than 67,000 online journals and 325,000 online books.

Enrolled students are entitled to borrow from any of the University libraries. Reading list books and articles are available via the reserve service either online or in print. Past examination papers are also available online.

Library facilities include individual and group study spaces, computers, printers, multimedia equipment, photocopiers and adaptive technologies. Refer to the 'Libraries' link on the University website to find out about services and facilities in specific libraries.

Library staff are available in every library to support students with their study and research. Faculty liaison librarians assist students to find great information on any topic and provide training in using a wide range of resources. For contact details of faculty liaison librarians, see www.library.usyd.edu.au/contacts/subjectcontacts.html. It is also possible to learn research and information skills online; see www.library.usyd.edu.au/skills.

Comments and suggestions about library services are welcome.

The University of Sydney Library, F03
Camperdown Campus
NSW 2006 Australia

Phone: +61 2 9351 2993
Website: www.library.usyd.edu.au

Mathematics Learning Centre

The Mathematics Learning Centre helps undergraduate students to develop the mathematical knowledge, skills and confidence that are needed for studying first-level mathematics or statistics units at university. The centre runs bridging courses in mathematics at the beginning of the academic year (fees apply). The centre also provides ongoing support to eligible students during the year through individual assistance and small group tutorials.

For details of activities and online resources provided by the centre see the website via the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Level 4, Carslaw Building, F07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4061
Fax: +61 2 9351 5797
Email: mlc@stuserv.usyd.edu.au
Website: www.usyd.edu.au/mlc

Museums and galleries

The University of Sydney has one of the largest and finest university collections of antiquities, art, ethnography and natural history in Australia. While these collections are used for teaching, they also provide an opportunity for the University to contribute to the cultural life of the country.

University Art Gallery

Founded in the 1860s, the University of Sydney Art Collection now holds more than 3000 paintings, sculptures and works on paper by Australian, Asian and European artists, as well as more than 700 works from the University Union Art Collection. The University Art Gallery showcases changing exhibitions of works from the collection as well as high-quality exhibitions of both contemporary and historical works.

War Memorial Arch
Quadrangle, A14
Camperdown Campus

Phone: +61 2 9351 6883
Fax: +61 2 9351 7785
Website: www.usyd.edu.au/museums

Macleay Museum

The Macleay Museum originated with the eighteenth century collection of insects owned by Alexander Macleay. The oldest of its kind in Australia, the museum today holds significant collections of ethnographic artefacts, scientific instruments, biological specimens and historic photographs. Changing exhibitions engage with the diversity of the collection.

Macleay Building, A12
Gosper Lane (off Science Road)
Camperdown Campus

Phone: +61 2 9036 5253
Fax: +61 2 9351 5646
Email: macleaymuseum@usyd.edu.au
Website: www.usyd.edu.au/museums

Nicholson Museum

The Nicholson Museum contains the largest and most prestigious collection of antiquities in Australia. It is also the country's oldest university museum, and features works of ancient art and objects of daily life from Greece, Italy, Egypt, Cyprus the Near and Middle East, as well as Northern Europe. A regular changing schedule of exhibitions highlights various parts of the collection.

Quadrangle, A14
Camperdown Campus

Phone: +61 2 9351 2812
Fax: +61 2 9351 7305
Email: nicholsonmuseum@usyd.edu.au
Website: www.usyd.edu.au/museums

The Tin Sheds Gallery

The Tin Sheds Gallery is part of the Art Workshop complex within the University of Sydney's Faculty of Architecture, Design and Planning. The gallery hosts exhibitions across a wide variety of contemporary visual arts practices from individuals and groups, as well as community projects and curated exhibitions.

Tin Sheds Gallery and Art Workshops
Faculty of Architecture
Wilkinson Building
148 City Road

Phone: +61 2 9351 3115
Fax: +61 2 9351 4184
Email: tinsheds@arch.usyd.edu.au
Website: www.arch.usyd.edu.au/art_workshop

MyUni Student Portal

The MyUni student portal (myuni.usyd.edu.au) is the starting point and 'one-stop' environment for students to access all their web-based University information and services.

MyUni automatically tailors what a student sees based on their login and offers students the option of further personalising content. Most importantly, MyUni allows students to complete tasks online that would previously have required attendance in person. The following are examples of MyUni services and information:

- support services relating to health, counselling, employment, child care, accommodation, and general wellbeing
- student administration systems for obtaining examination results, enrolment and variations, timetabling, email services and links to courses and units of study information
- links to the University's e-learning systems
- library services
- important messages and student alerts
- information and communications technology and support services
- information for local, Indigenous and international students
- campus maps, with descriptions of cultural, sporting and campus facilities.

Orientation and O-Week

Orientation

Transition to University involves both opportunities and challenges. A successful transition is important in developing a sense of belonging and better academic adjustment and success. The University seeks to facilitate students' successful transition through a wide range of programs and activities.

Orientation activities for both undergraduate and postgraduate students are scheduled at the beginning of each semester. Transition support continues throughout the academic year within faculties while student support services are available to assist students for the duration of their study.

For more information, see www.usyd.edu.au/orientation.

Undergraduate students

Sydney Welcome Orientation and Transition (SWOT) Program

In the week prior to Semester One, the SWOT program offers all commencing undergraduate students an opportunity to learn more about the University of Sydney.

During this week you can get to know the University, develop key skills for success, discover other key resources for getting the most out of university life and develop a sense of belonging. All students are welcome to attend activities which are based at the Camperdown and Darlington campuses. Faculties based on other campuses also provide orientation activities and programs.

SWOT 2009 will run from **25 to 27 February 2009**.

For more information, see www.swot.usyd.edu.au.

Postgraduate students

The University of Sydney Postgraduate Induction Program is a specialised program for postgraduate students organised by the Dean of Graduate Studies. See www.dogs.usyd.edu.au.

O-Week

O-Week is the orientation event at the beginning of Semester One. Organised by the University of Sydney Union (USU) and other student organisations, it runs in parallel with the SWOT program. O-Week provides an opportunity to learn about and participate in the many clubs and societies available at the University and the services and activities of the student organisations.

It's packed with fun activities and events, plus information to help you get acquainted with the University and grab hold of all of the opportunities this campus has to offer.

Rock, jazz, orchestral and choral concerts, plays, demonstrations, symposia on current affairs, reviews, competitions, sports, bus tours, games, special-interest meetings, guest speakers, debates, films, food and freebies are all organised for commencing students' participation and enjoyment. You need to know what's on and what's available in order to make the most out of your time here.

O-Week 2009 will run from **25 to 27 February 2009**. Programs are available at www.usuonline.com.

Part-time, full-time attendance

Undergraduate students

Undergraduate students are usually considered full-time if they have a student load of at least 0.375 each semester. Anything under this amount is considered a part-time study load.

Note that some faculties have minimum study load requirements for satisfactory progress.

Postgraduate students (coursework)

Part-time or full-time status for postgraduate coursework students is determined by credit-point load. Enrolment in units of study which total at least 18 credit points in a semester is classed as full-time. Anything under this amount is a part-time study load.

Please note that classes for some coursework programs are held in the evenings (usually 6pm to 9pm).

Postgraduate students (research)

Full-time candidates for research degrees do not keep to the normal semester schedule. Instead they work continuously throughout the year with a period of four weeks recreation leave.

There is no strict definition of what constitutes full-time candidature but if you have employment or other commitments that would prevent you from devoting at least the equivalent of a 35-hour working week to your candidature (including attendance at the University for lectures, seminars, practical work and consultation with your supervisor) you should enrol as a part-time candidate. If in doubt, consult your faculty or supervisor.

International students

Student visa regulations require international students to undertake full-time study. International students on visas other than student visas may be permitted to study part-time.

Policy Online

In addition to the resolutions covering specific courses there are a number of University policies that apply to students. These include:

- Code of Conduct for students
- Academic Honesty in Coursework
- Student Plagiarism: Coursework Assessment and Examination of Coursework
- Identifying and Supporting Students at Risk

All of these policies can be accessed at the University's Policy website online (www.usyd.edu.au/policy).

Printing Service

The University Printing Service (UPS) provides printing and binding services including: high-volume printing and copying, short run/low-volume printing, and four-colour process printing. It also offers finished artwork and design, including website design, document scanning, file conversion and CD burning.

UPS products range from stationery, books, brochures, handbooks, graduation certificates and examination papers through to invitations, flyers and banners.

UPS also offers a variety of finishing options plus collating, addressing and filling of envelopes, mail merge options and print-broking services.

University Printing Service
Room 314, Top Floor
Services Building, G12
Codrington Street

Phone: +61 2 9351 2004
Fax: +61 2 9351 7757
Email: ups@ups.usyd.edu.au
Website: www.usyd.edu.au/ups

Privacy

The University is subject to the *NSW Privacy and Personal Information Protection Act 1998* and the *NSW Health Records and Information Privacy Act 2002*. Central to both Acts are the sets of information protection principles (IPPs) and health privacy principles which regulate the collection, management, use and disclosure of personal and health information.

In compliance with the *Privacy and Personal Information Protection Act* the University developed a *Privacy Management Plan* which includes the *University Privacy Policy*. The *Privacy Management Plan* sets out the IPPs and how they apply to functions and activities carried out by the University. Both the plan and the *University Privacy Policy* were endorsed by the Vice-Chancellor on 28 June 2000.

Further information and a copy of the plan may be found at www.usyd.edu.au/arms/privacy.

Any questions regarding the *Freedom of Information Act*, the *Privacy and Personal Information Protection Act*, the *Health Records and Information Privacy Act* or the *Privacy Management Plan* should be directed to one of the following:

Tim Robinson: +61 2 9351 4263
Anne Picot: +61 2 9351 7262
Email: foi@mail.usyd.edu.au

Research Office

The Research Office administers the major government-funded research awards. Details of these awards and many others may be obtained from www.usyd.edu.au/ro/training.

The closing date for Australian Postgraduate Awards (APA) and University of Sydney Postgraduate Awards (UPA) is October every year.

National Health and Medical Research Council (NHMRC) Postgraduate Research Scholarships usually close in mid-July. It is wise to confirm in advance the exact closing date.

Research Office
Level 6, Jane Foss Russell Building, G02
Phone: +61 2 8627 8112
Email: research.training@usyd.edu.au
Website: www.usyd.edu.au/ro/training

Scholarships for undergraduates

The Scholarships and Prizes Office administers scholarships and prizes for undergraduate and postgraduate coursework degrees at the University of Sydney. To learn more, see the website.

Scholarships and Prizes Office
Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 2717
Fax: +61 2 9036 7879
Email: scholarships.reception@usyd.edu.au
Website: www.usyd.edu.au/scholarships

Security Services

Security staff patrol the University's Camperdown and Darlington campuses 24 hours a day, seven days a week and are easily identified by their blue uniforms and distinguishing badges.

Security Escort Service

The University's Security Escort Service may be booked by telephoning +61 2 9351 3487. This service provides transportation around the Camperdown and Darlington campuses as well as to the nearest transport point at its edge (it generally operates after the Security Bus has ceased). The service is for security situations and is not designed for convenience use. Requests for this service will be prioritised against other security demands.

Emergency contact

Phone: +61 2 9351 3333

Enquiries

Phone: +61 2 9351 3487 or (toll-free within Australia) 1800 063 487

Fax: +61 2 9351 4555

Email: security.admin@mail.usyd.edu.au

Website: www.security.usyd.edu.au

Traffic

Phone: +61 2 9351 3336

Lost property

Phone: +61 2 9351 5325

Service Management, Information and Communications Technology (ICT)

Client Services are responsible for the delivery of many of the computing services provided to students. Students can contact Client Services by phoning the ICT Helpdesk on (02) 9351 6000, through the IT Assist website (www.switch.usyd.edu.au) or by visiting the staff at one of the University Access Labs.

Access labs on the Camperdown and Darlington campuses:

- Fisher Library (Level 2)
- Carslaw Building (Room 201)
- Education Building (Room 232)
- Christopher Brennan Building (Room 232)
- Engineering Link Building (Room 222)
- Pharmacy and Bank Building (Room 510)

Other labs are available at the Law Campus, Westmead Hospital and Cumberland Campus.

The labs provide students free access to computers, including office productivity and desktop publishing software. Some services are available on a fee-for-service basis, such as Internet access, printing facilities, and the opportunity for students to host their own non-commercial website.

Each student is supplied with an account, called a 'Unikey' account, which allows access to a number of services including:

- free email (www-mail.usyd.edu.au)
- WebCT/elearning online resources via <https://learn-on-line.ce.usyd.edu.au/webct/entryPageIns.dowebct>
- access to the Internet from home or residential colleges (www.switch.usyd.edu.au/services.html)
- facilities via the MyUni student portal: myuni.usyd.edu.au including exam results, enrolment variations and timetabling
- free courses in basic computing (such as MS Office, basic html and Excel), run by Access Lab staff in the week following orientation week. To register contact the Access Lab Supervisor on +61 2 9351 6870.

Service Management, Helpdesk
University Computer Centre, H08
Camperdown Campus

Phone: +61 2 9351 6000

Fax: +61 2 9351 6004

Email: support@usyd.edu.au

Website: www.switch.usyd.edu.au

Staff and Student Equal Opportunity Unit (SSEOU)

The Staff and Student Equal Opportunity Unit works with the University community to promote equal opportunity in education and employment, to create opportunities for staff and students who have traditionally been disadvantaged by mainstream practices and policies, and to create an environment that is free from discrimination and harassment.

The Staff and Student Equal Opportunity Unit is responsible for:

- providing policy advice to staff on harassment and discrimination
- providing equal opportunity policy development, promotion and training for staff and students
- coordinating and monitoring equity programs and initiatives
- providing information and advice to staff and students on equal opportunity matters
- resolving individual staff and student concerns about harassment and discrimination
- overseeing the University's Harassment and Discrimination Resolution procedure
- monitoring and reporting to external bodies on the University's progress in the equal opportunity area.

Every student and employee at the University of Sydney has the right to expect from their fellow students and colleagues behaviour that reflects these key values, irrespective of background, beliefs or culture.

In addition, every student and employee has a right to expect from the University-equitable practices that preserve and promote equal opportunity to access, participate, and excel in their chosen field.

Second Floor, Margaret Telfer Building, K07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2212

Fax: +61 2 9351 3195

Email: admin@eeo.usyd.edu.au

Website: www.usyd.edu.au/eeo

Student Administration and Support

The University provides personal, welfare, administrative and academic support services to facilitate your success. Many factors can have an impact on your wellbeing while studying, and Student Services can help you to manage these more effectively.

For details of services and online resources provided, see the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Student Centre

Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

General enquiries: +61 2 9351 3023

Academic records: +61 2 9351 4109

Handbooks: +61 2 9351 5057

Fax: +61 2 9351 5081 or +61 2 9351 5350 (academic records)

Website: www.usyd.edu.au/studentcentre

Student identity cards

The student identity card functions as a library borrowing card, a transport concession card (when suitably endorsed) and a general identity card. The card must be carried at all times on the grounds of the University and must be shown on demand, and must be taken to all examinations. Details for obtaining a student card can be found at: www.usyd.edu.au/cstudent/student_cards.shtml

Sydney Student Development

Sydney Student Development offers paid course-related employment to students with the aim of increasing their employment prospects upon graduation. During the semester students can work part-time to accommodate their study commitments and potentially full-time during the semester break.

For more information, see www.usyd.edu.au/student_employment.

Sydney Summer School

Nine faculties at the University offer subjects from undergraduate and postgraduate degree programs during summer. As the University uses its entire quota of Commonwealth-supported places in Semesters One and Two, these units are full fee-paying for both local and international students and enrolment is entirely voluntary.

Summer School enables students to accelerate their degree progress, make up for a failed subject or fit in a subject which otherwise would not suit their timetables. New students may also gain an early start by completing subjects before they commence their degrees.

Three Summer Sessions are offered, commencing in mid December, the first week of January and the third week of January and run for up to six weeks (followed by an examination week). Details of the available subjects are on the Summer School website and is usually circulated to students with their results notices.

A smaller Winter School is also run by the Summer School office. It will commence on 29 June 2009 and run for three weeks (followed by an examination week). The Winter School offers both postgraduate and undergraduate subjects.

To find out information about subjects offered and to enrol, see the Summer School website: www.summer.usyd.edu.au.

Sydney Welcome Orientation and Transition Program (SWOT)

The Sydney Welcome Orientation and Transition program (SWOT) offers a head start to commencing undergraduate students at the University, helping you to become familiar with the University and its student support services. The Library and central student support services work together with faculties to provide the SWOT program.

SWOT 2009 runs from **25 to 27 February 2009**.

For more information, see www.swot.usyd.edu.au.

The University of Sydney Foundation Program (USFP)

The University of Sydney provides a foundation program to international students as a preparation for undergraduate degrees at several Australian universities.

The program is conducted by Taylors College on behalf of Study Group Australia and the University of Sydney. It allows both first and second semester entry to undergraduate courses at the University of Sydney and other universities within Australia.

Contact details

Phone: +61 2 8263 1888

Fax: +61 2 9267 0531

Email: info@taylorscollege.edu.au

Website: www.usyd.edu.au/foundationprogram

College address

The University of Sydney Foundation Program

Taylors College

965 Bourke St

Waterloo NSW 2017

Phone: +61 2 8303 9700

Fax: +61 2 8303 9777

Timetabling Unit

The Timetabling Unit in the Student Centre is responsible for producing students' class and tutorial timetables. Semester One timetables are available ten days prior to the beginning of semester.

Website: www.usyd.edu.au/studentcentre/timetabling.shtml

University Health Service

The University Health Service provides a full experienced general practitioner service and emergency medical care to all members of the University community. You can consult a doctor either by appointment or on a walk-in basis (for more urgent matters only). The Health Service bills Medicare or your overseas student health care provider (Worldcare or Medibank Private) directly for the full cost of most consultations.

Email: i.marshall@unihealth.usyd.edu.au

Website: www.unihealth.usyd.edu.au

Phone: +61 2 9351 3484

Fax: +61 2 9351 4110

University Health Service (Wentworth)

Level 3, Wentworth Building, G01

The University of Sydney

NSW 2006 Australia

Opening hours: 8.30am to 5.30pm, Monday to Friday

Phone: +61 2 9351 3484

University Health Service (Holme)

Holme Building, A09

Entry Level, Science Road

The University of Sydney

NSW 2006 Australia

Opening hours: 8.30am to 5.30pm, Monday to Friday

Phone: +61 2 9351 4095

Student organisations

Students' Representative Council (SRC)

The Students' Representative Council (SRC) represents, campaigns and advocates for undergraduate students throughout the University.

SRC caseworkers advise students on a range of issues, including academic appeals, Centrelink and Austudy, tenancy, harassment and discrimination. The solicitor (from Redfern Legal Centre) provides legal assistance and court representation. These services are free and confidential. The SRC also offers financial support in the form of emergency loans up to \$50.

In addition, the SRC runs a second-hand bookshop that specialises in the purchase and sale of coursework textbooks. Among the publications produced by the SRC are the weekly student newspaper *Honi Soit*, the *Counter-Course Handbook* and the *O-Week Handbook*.

Recently celebrating its 80th anniversary, the SRC is one of the oldest student organisations in Australia, and is run by and for students. This is a great way for you to be involved in student life. Office bearers elected to student council campaign on issues that directly affect students, such as course cuts and assessments, fee increases, discrimination and welfare rights. They also advocate on social justice matters both within the University and throughout the wider community.

SRC main office

Level 1, Wentworth Building, City Road
 Phone: +61 2 9660 5222
 Fax: +61 2 9660 4260
 Email: help@src.usyd.edu.au
 Email (*Honi Soit* editors): editors@src.usyd.edu.au
 Website: www.src.usyd.edu.au

Contain the main office for details of other campuses.

The SRC Secondhand Bookshop

Level 3, Wentworth Building, City Road
 Phone: +61 2 9660 4756
 Fax: +61 2 9660 4260
 Email: books@src.usyd.edu.au
 Website: www.src.usyd.edu.au

Sydney University Postgraduate Representative Association (SUPRA)

SUPRA is an independent association which provides advice, advocacy and support services to postgraduate students. SUPRA is both the voice and safety net of these students, and represents their interests by:

- ensuring the representation of postgraduate views within the University and wider community
- providing free, confidential assistance and advocacy for postgraduates through the employment of Student Advice and Advocacy Officers (SAAOs)
- providing free legal advice for postgraduate students, in association with the Redfern Legal Centre
- representing postgraduates on University policy-making bodies such as the Academic Board, its committees and working parties
- meeting with members of the Senate on the Senate/Student Organisations Liaison Committee
- regularly consulting with the Vice-Chancellor, Registrar and other senior University officers
- drawing postgraduates together at all levels of University life.

SUPRA Council, committees and networks

The SUPRA Council is elected annually by and from the postgraduate student community. Council meetings are held monthly and postgraduate students are encouraged to attend. SUPRA committees and networks help to coordinate activities and run campaigns, and are a great way to get involved. All postgraduates can stand for the Council or attend any SUPRA events provided they are a SUPRA subscriber.

Advice and advocacy

SUPRA employs professional Student Advice and Advocacy Officers (SAAOs) to help postgraduate students with any academic or personal problems that may be affecting their study, such as:

- fee paying and administrative issues
- academic appeals and exclusions
- supervision problems
- tenancy issues
- Centrelink and financial assistance concerns
- harassment and discrimination.

This is a free and confidential service for all postgraduates at the University of Sydney. To access the SAAO service, you must be a SUPRA subscriber. It's free to subscribe and you can do it online, in the office, or when you see an SAAO. To find out more about the SAAO service, email: help@supra.usyd.edu.au.

Publications

SUPRA places the highest priority upon communication, being responsive to postgraduates and encouraging maximum participation in SUPRA through the following publications:

- *eXpress*, a magazine-style publication
- *eGrad*, a regular email bulletin
- *Survive!* Postgraduate Survival Manual
- *The Counter Course Handbook*
- *Thesis Guide*
- a range of factsheets and brochures.

Electronic versions are available at www.supra.usyd.edu.au.

All of SUPRA's services, activities and publications are free to SUPRA subscribers. By subscribing, you also show your support for all the work that SUPRA does on your behalf. It's free to subscribe and you can sign up online or drop into the SUPRA offices and fill out the form.

SUPRA Office

Raglan St Building, G10
 Corner Raglan and Abercrombie Streets
 Phone: +61 2 9351 3715 or toll-free 1800 249 950
 Fax: +61 2 9351 6400
 Email: admin@supra.usyd.edu.au
 Website: www.supra.usyd.edu.au

University of Sydney Union (USU)

USU is the organisation that coordinates activities, programs, events, services and facilities in and around Manning House, Wentworth Building and Holme Building, to provide an exciting and varied student experience. USU looks after on-campus catering and functions, spaces to relax and eat in, clubs and societies, entertainment, and other social and cultural programs.

For more information on USU, see www.usuonline.com.



Access Card Benefits Program

The Access program is a savings and benefits scheme offered by USU. Once you've bought an Access Card, you can take advantage of great discounts, such as 15 per cent off purchases from USU catering and retail outlets, and 20 percent off coffee and water across campus.

As part of your membership, you can also make fantastic savings off-campus from Access Partners offering discounts and deals on gifts, clothing, family entertainment and food.

For more information, see www.accessbenefits.com.au.

Clubs and societies

The USU funds, accommodates, trains and supports around 250 clubs and societies – groups that students can join and operate to pursue their own interests. Clubs and societies organise their own activities and events and are funded by USU. Being part of a club or society is the best way to get involved in campus life, meet people who share your interests, network and gain valuable organisational skills, training and experience.

There are clubs and societies focused on politics, culture, the arts, the environment, religion, volunteering, skills, hobbies, departments and faculties. If there isn't a club or society catering to your interests, we'll help you create and operate your own!

USU provides all of their clubs and societies with grants, insurance, venues, training and support for a range of events and projects including barbecues, dinners, annual balls, dance parties, cocktail parties, video nights, camps, conferences, excursions, trivia nights, fundraisers, merchandise and t-shirt production, postage and printing.

Registered clubs and societies can make free use of USU meeting rooms (as available) and free photocopying. Registered clubs can also use letterbox hire and USU equipment hire.

C&S Office

University of Sydney Union
Level 1, Manning House, Manning Road
Phone: +61 2 9563 6161
Email: clubsandsocs@usu.usyd.edu.au

The USU Student Leadership Program

The USU believes that a university should educate you, prepare you for life, and be fun!

The University of Sydney is able to boast the broadest, most inclusive extra-curricular program of all universities in Australia, and the USU prides itself on the world-class student experience program it delivers for the University.

The USU takes very seriously the need to create a vibrant community outside the classroom. Our programs are designed not only to entertain, but to teach and prepare participants for their lives after graduation. At the apex of what we do is mentoring, personal development, and leadership training.

The vitality of the USU is founded on the involvement of students as leaders within its community. These positions range from a student Board of Directors, Club and Society Executives, Festival Directors, Debate Directors, volunteers, and community portfolio convenors.

Sydney Uni Sport & Fitness

Sydney Uni Sport & Fitness invites you to choose from our range of value membership options, giving access to many sport and recreation clubs, fitness programs, top-level sporting facilities, regular competition and events, and great member benefits.

Join a vast array of sporting and recreational clubs for men and women with well-developed juniors programs, take part in excellent courses and world-class sporting events, and improve your performance under

the guidance of some of Australia's most accomplished coaches and sportspeople.

Purpose-built venues, such as the University Sports and Aquatic Centre, Arena Sports Centre with the Ledge Climbing Centre, and the HK Ward Gymnasium, offer tennis and squash courts, rock-climbing, fitness equipment, a martial arts room and an Olympic-size heated swimming pool.

Check out the historic and panoramic sporting ovals, rowing sheds and a multi-purpose facility at Tempe, and don't forget the on-campus Grandstand Sports Bar.

Sydney Uni Sport & Fitness
University Sports & Aquatic Centre
Phone: +61 2 9351 4960
Fax: +61 2 9351 4962
Email: admin@sport.usyd.edu.au
Website: www.susf.com.au

Facilities

Sydney Uni Sport & Fitness has three main fitness centres.

University Sports & Aquatic Centre

Corner Codrington and Darlington Streets
Darlington Campus
Phone: +61 2 9351 4978
Email: nmrc@sport.usyd.edu.au

Facilities at the centre include:

- 50-metre heated swimming pool
- six synthetic tennis courts
- four squash courts
- multi-function sports hall
- modern fitness equipment
- group fitness studio
- RPM Studio
- health assessments and fitness testing
- personal training
- a café.

Arena Sports Centre

Western Avenue
Camperdown Campus
Phone: +61 2 9351 8111
Email: arenaman@sport.usyd.edu.au

Facilities at the Arena Sports Centre include:

- extensive weights room
- Yoga classes
- personal training
- modern cardio equipment
- multi-purpose sports hall (Badminton)
- two squash courts
- sports clinic
- The Ledge Climbing Centre
- Ralph's Café.

HK Ward Gymnasium

Between Ovals 1 and 2
Camperdown Campus
Phone: +61 2 9351 4988
Email: hk@sport.usyd.edu.au

Facilities at the gymnasium include:

- martial arts facility
- international-standard sports hall
- boxing ring and gym
- group fitness studio
- boxercise and kickboxing classes
- ergometer training
- sports equipment hire.

International students

The following information is for international students studying onshore on an Australian student visa.

Completion within the expected duration

Education Providers are required to ensure that international students complete their studies within the duration specified on the electronic Confirmation of Enrolment (eCoE). Extensions to a student's course duration are allowed only in limited circumstances. For example, for compassionate or compelling reasons, where an intervention strategy has been implemented or where there has been an approved leave of absence or suspension.

It is important for students to ensure they are on track to complete their studies within the expected duration, or that they have permission from their faculty to extend their duration.

Satisfactory academic progress

Maintaining satisfactory course progress is a mandatory student visa condition. Education providers are required to monitor course progress, intervene where students are at risk of failing to achieve satisfactory course progress, notify students who fail to achieve satisfactory course progress, and report students who fail to achieve satisfactory course progress to the Department of Immigration and Citizenship (DIAC).

It is important that every student is aware of the progress rules for their course and participates in the intervention strategies implemented by their faculty. Exclusion from a course due to unsatisfactory progress can have serious implications for student visa holders including visa cancellation and restrictions on returning to Australia.

The University provides many avenues of support for students who are struggling academically. International students who are experiencing any difficulties with their academic progress should consult their faculty, the international student advisers in the International Office or the counsellors in the International Student Support Unit (ISSU).

Distance/web-based study

International students may undertake no more than 25 per cent of their total course by distance and/or online learning. Students must not enrol in exclusively distance or online study in any compulsory study period.

Work permits

International students with a work permit are permitted to work for up to 20 hours during semester and full-time during the University's official vacation periods. Contact the international student advisers in the International Office for more information.

Change of address

International students must notify the University of their residential address within seven days of arrival and notify any change of address within seven days. This should be done online via the University's MyUni student portal (<http://myuni.usyd.edu.au>).

Sponsored students

Sponsored students will need permission from their sponsors before transferring courses, suspending their studies or varying their study load. Students sponsored by the Australian Government (AusAID, Endeavour), or Asia Development Bank (ADB) should contact the International Office in the early stages of considering a change to their program.

Suspension/discontinuation

The University is required to report to DIAC any international students who discontinue or suspend their studies. Students who suspend their studies for medical or compassionate reasons should contact the International Student Advisers in the International Office urgently.

Overseas student health cover

The Australian government requires that all international students and their families pay for health insurance in Australia through the Overseas Student Health Cover (OSHC) scheme. The University-preferred provider is OSHC Worldcare. The International Office will, on receipt of the student's first payment of tuition fees and the OSHC premium, pay the compulsory amount to OSHC Worldcare on his/her behalf.

OSHC provides free access to the University health service and public hospitals. Higher-level coverage (eg, access to private hospitals coverage for spouse and family) is the student's responsibility.

The University of Sydney Foundation Program (USFP)

The University of Sydney offers its foundation program to international students as a preparation for undergraduate degrees at several Australian universities.

The Foundation Program is conducted by Taylors College on behalf of Study Group Australia and the University of Sydney. The Foundation Program allows both first and second-semester entry to undergraduate courses at the University of Sydney and other Australian universities.

University of Sydney Foundation Program

Taylors College
965 Bourke Street
Waterloo NSW 2017

Phone: +61 2 8303 9700

Fax: +61 2 8303 9777

Email: info@taylorscollege.edu.au

Website: www.usyd.edu.au/foundationprogram



International Office

The International Office provides advice and assistance with application, admission and enrolment procedures for international students. The International Office also includes units responsible for international marketing, government and student relations, international scholarships, including AusAID scholarships and administrative support for international financial aid programs, and compliance with government regulations related to international students.

The International Office also coordinates student exchange and study abroad programs, and other inter-institutional links. The Study Abroad and Exchange unit assists both domestic and international students who wish to enrol for study abroad or exchange programs.

International Admissions and Customer Services

Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4079
Future student enquiries: 1800 899 376 (domestic free call)
Fax: +61 2 9351 4013
Email: info@io.usyd.edu.au
Website: www.usyd.edu.au/internationaloffice

Study Abroad

Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: studyabroad@io.usyd.edu.au
Website: www.usyd.edu.au/studyabroad

Student Exchange

Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: studyabroad@io.usyd.edu.au
Website: www.usyd.edu.au/studentexchange

International Student Support Unit

The International Student Support Unit (ISSU) provides support to international students through the provision of information, orientation programs, welfare advice and counselling.

The ISSU provides advice to international students on:

- preparations before leaving their home country
- what to expect upon arrival in Sydney
- emotional changes that can take place when moving to a different country
- academic concerns, including understanding the University system and liaising with staff members
- preparing family visit letters
- preparing to return to their home country.

The ISSU has two offices:

Camperdown Campus

Jane Foss Russell Building, G02
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4749
Fax: +61 2 9351 6818
Email: info@issu.usyd.edu.au
Website: www.usyd.edu.au/stuserv/issu

Cumberland Campus

Ground Floor, A Block, C42
75 East St, Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Email: ISSU.Cumberland@stuserv.usyd.edu.au
Website: www.usyd.edu.au/stuserv/issu

Essential information for students

Calendar

The annual *University of Sydney Calendar* and its online updates are the University of Sydney's central source of official information.

The *Calendar* provides general and historical information about the University of Sydney, the statutes and regulations under which it operates and the Resolutions of the Senate relating to constitutions of and courses in each faculty. The statutes and regulations, as well as some Resolutions of the Senate, also appear in Policy Online (www.usyd.edu.au/policy).

Along with the University of Sydney handbooks, the *Calendar* forms the official legal source of information relating to study at the University of Sydney.

The latest *Calendar* is available in hard copy from the Student Centre. It is also available online, at www.usyd.edu.au/calendar. The PDF and Word document files can be downloaded and printed if required.

Coursework Rule

It is very important that students are aware of the *University of Sydney (Coursework) Rule 2000*, which governs all coursework award courses in the University.

The Coursework Rule relates to:

- award course requirements
- credit points and assessment
- enrolment
- credit
- cross-institutional study and its upper limits
- progression
- discontinuation of enrolment and suspension of candidature
- unsatisfactory progress and exclusion
- exceptional circumstances
- award of degrees
- diplomas and certificates
- transitional provisions.

It should be read in conjunction with two other documents:

- *University of Sydney (Amendment Act) Rule 1999*; and
- Resolutions of the Senate and the faculty resolutions relating to each award course. These are found in the relevant faculty handbook.

The Coursework Rule can be found in the following places:

- *University of Sydney Calendar* (print or online version): www.usyd.edu.au/calendar
- Policy Online: www.usyd.edu.au/policy
- Handbooks online: www.usyd.edu.au/handbooks/university_information/01_uni_coursework_rule

PhD Rule

The *University of Sydney (Doctor of Philosophy (PhD)) Rule 2004* deals with matters relating to the degree of Doctor of Philosophy, including admission, probation, supervision and submission of theses.

It should be read in conjunction with two other documents:

- *University of Sydney (Amendment Act) Rule 1999*; and
- Senate and faculty resolutions relating to each award course (found in the relevant faculty handbook).

The PhD Rule can be found in the following locations:

- *University of Sydney Calendar* (print or online version): www.usyd.edu.au/calendar
- Policy Online: www.usyd.edu.au/policy
- Handbooks online: www.usyd.edu.au/handbooks/postgrad_hb/ap04_phd_rule.shtml

Plagiarism

The University of Sydney is opposed to and will not tolerate plagiarism. It is the responsibility of all students to:

- ensure that they do not commit or collude with another person to commit plagiarism
- report possible instances of plagiarism
- comply with the University's policy and procedure on plagiarism.

The policy and procedure on plagiarism can be found at the Policy Online website www.usyd.edu.au/policy.

The Policy Online website also lists related policies and procedures, including:

- *Academic Honesty in Coursework (plagiarism) policy*; and
- *Code of Conduct for Responsible Research Practice and Guidelines for Dealing with Allegations of Research Misconduct*.

The University will treat all identified cases of student plagiarism seriously, in accordance with this policy and procedure, and with Chapter 8 of the *University of Sydney By-Law 1999 (as amended)*, which deals with student discipline.

Students at Risk Policy

The Students at Risk Policy enables early detection of students who are making poor or unsatisfactory progress and are therefore at risk of exclusion from their degree.

The policy outlines procedures and processes to support students in their ongoing studies, including:

- timely intervention and the provision of advice and assistance
- regularly and effectively advising students of progress requirements
- identifying students at risk
- alerting students that they are at risk
- providing assistance to address the risk
- tracking the progress of students after they are identified as being at risk.

For more information on this policy, please see the Secretariat website at www.usyd.edu.au/secretariat/students/riskstudents.

Grievance procedure

The University's policy and procedures document on student grievances, appeals and applications for review is available on the Policy Online website: www.usyd.edu.au/policy.

The *Grievance Procedure* document is a statement of the University's processes for handling student grievances, appeals and applications for review regarding academic and non-academic matters.

Study at the University presents opportunities for interacting with other members of the University community. The University recognises and values the diversity of student experiences and expectations, and is committed to treating students, both academically and administratively, in a fair and transparent manner.



Abbreviations

Listed below are commonly used acronyms that appear in University documents and publications. (See also the Glossary.)

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A	
AARNet	Australian Academic Research Network
AAUT	Australian Awards for University Teaching
AAM	Annual Average Mark
ABC	Activity-based costing
ABSTUDY	Aboriginal Study Assistance Scheme
ACER	Australian Council for Educational Research
AGSM	Australian Graduate School of Management
ANZAAS	Australian and New Zealand Association for the Advancement of Science
APA	Australian Postgraduate Awards
APAC	Australian Partnership for Advanced Computing
APAI	Australian Postgraduate Awards (Industry)
APA-IT	Australian Postgraduate Awards in Information Technology
APDI	Australian Postdoctoral Fellowships Industry
APEC	Asia-Pacific Economic Cooperation
APF	Australian Postdoctoral Fellowship
AQF	Australian Qualifications Framework
ARC	Australian Research Council
ARTS	Automated Results Transfer System
ASDOT	Assessment Fee Subsidy for Disadvantaged Overseas Students
ATN	Australian Technology Network
ATP	Australian Technology Park
AUQA	Australian Universities Quality Agency
AusAID	Australian Agency for International Development
AUTC	Australian Universities Teaching Committee
AVCC	Australian Vice-Chancellors' Committee

B	
BAA	Backing Australia's Ability
BAC	Budget Advisory Committee
BITLab	Business Intelligence Lab
BLO	Business Liaison Office
BOTPLS	Bridging for Overseas Trained Professionals Loans Scheme

C	
CAF	Cost adjustment factor
CPS	Campus Property Services
CAUT	Committee for Advancement of University Teaching
CDP	Capital Development Program
CEP	Country Education Profile
CEQ	Course Experience Questionnaire
CES	Casual Employment Service
CFO	Chief Financial Officer
CHASS	College of Humanities and Social Sciences
CHESN	Commonwealth Higher Education System Student Number
CHS	College of Health Sciences
CIO	Chief Information Officer
COE	Confirmation of Enrolment
CPSU	Community and Public Sector Union
CRC	Cooperative Research Centre

C	
CREO	Centre for Regional Education, Orange
CRICOS	Commonwealth Register of Institutions and Courses for Overseas Students
CRRRI	Centre for Rural and Regional Innovation
CSIRO	Commonwealth Scientific and Industrial Research Organisation
CST	College of Sciences and Technology
CULT	Combined Universities Language Test
CUTSD	Committee for University Teaching and Staff Development

D	
DAC	Data Audit Committee
DEST	Commonwealth Department of Education, Science and Training
DET	NSW Department of Education and Training
DIMA	Department of Immigration and Multicultural Affairs
D-IRD	Discovery-Indigenous Researchers Development Program
DVC	Deputy Vice-Chancellor

E	
EB	Enterprise bargaining
EFTSU	Equivalent full-time student unit
EFTSL	Equivalent full-time student load
EIP	Evaluations and Investigations Program
ELICOS	English Language Intensive Course of Study
EMU	Electron Microscope Unit
ESOS Act	Education Services for Overseas Student Act

F	
FFT	Fractional full-time (equivalent staff)
FlexSIS	Flexible Student Information System
FHS	Faculty of Health Sciences
FOS	Field of study
FTE	Full-time equivalent (staff)
FRM	Faculty of Rural Management

G	
GATS	General Agreement on Trade in Services
GCCA	Graduate Careers Council of Australia
GDS	Graduate destination survey
GPOF	General Purpose Operating Funds
GSA	Graduate Skills Assessment
GSG	Graduate School of Government
GWSLN	Greater Western Sydney Learning Network

H	
HDR	Higher Degree Research
HECS	Higher Education Contribution Scheme
HEEP	Higher Education Equity Program
HEFA	Higher Education Funding Act 1988
HEIMS	Higher Education Information Management System
HEIP	Higher Education Innovation Program (DEST)
HELP	Higher Education Loan Program



Abbreviations

H	
HEO	Higher education officer
HEP	Higher education provider
HERDC	Higher Education Research Data Collection
HESA	Higher Education Support Act

I	
IAF	Institutional Assessment Framework
IAS	Institute of Advanced Studies
ICT	Information and Communication Technology
IELTS	International English Language Testing Scheme
IGS	Institutional Grants Scheme (DEST)
IO	International Office
IP	Intellectual property
IPRS	International Postgraduate Research Scholarships
IREX	International Researcher Exchange Scheme
ISFP	Indigenous Support Funding Program
ISIG	Innovation Summit Implementation Group
ISSU	International Student Services Unit
ITC	Information Technology Committee
ITL	Institute for Teaching and Learning
ITS	Information Technology Services

J	
JASON	Joint Academic Scholarships Online Network

L	
LBOTE	Language background other than English

M	
MISG	Management Information Steering Group
MNRF	Major National Research Facilities Scheme
MOU	Memorandum of Understanding
MRB	Medical Rural Bonded Scholarship Scheme

N	
NBCOTP	National Bridging Courses for Overseas Trained Program
NCG	National Competitive Grant
NESB	Non-English-speaking background
NHMRC	National Health and Medical Research Council
NOIE	National Office for the Information Economy
NOOSR	National Office for Overseas Skill Recognition
NRSL	Non-recent school leaver
NSW VCC	New South Wales Vice-Chancellors' Conference
NTEU	National Tertiary Education Industry Union

O	
OECD	Organisation for Economic Cooperation and Development
OLA	Open Learning Australia
OLDPS	Open Learning Deferred Payment Scheme
OPRS	Overseas Postgraduate Research Scholarships

P	
PELS	Postgraduate Education Loans Scheme
PSO	Planning Support Office
PVC	Pro-Vice-Chancellor

Q	
QA	Quality assurance
QACG	Quality Advisory and Coordination Group

R	
R&D	Research and development
R&R	Restructuring and Rationalisation Program
RC	Responsibility Centre
REG	Research and Earmarked Grants
REP	Research Education Program
RFM	Relative Funding Model
RIBG	Research Infrastructure Block Grant (DEST)
RIEF	Research Infrastructure Equipment and Facilities Scheme
RISF	Restructuring Initiatives Support Fund
RMO	Risk Management Office
ROA	Record of Achievement
RQ	Research Quantum
RQU	Recognition Quality Unit (Higher Education Division – DEST)
RRTMR	Research and Research Training Management Reports
RSL	Recent school leaver
RTS	Research Training Scheme (DEST)

S	
SCA	Sydney College of the Arts
SCEQ	Sydney Course Experience Questionnaire
SCM	Sydney Conservatorium of Music
SCR	Science Capability Review
SDF	Strategic Development Fund
SEG	Senior Executive Group
SES	Socioeconomic status
SI	Scholarship Index
SLE	Student Learning Entitlement
SNA	Safety net adjustment
SPIRT	Strategic Partnerships with Industry – Research and Training
SPR	Student Progress Rate
SRC	Students' Representative Council
SSR	Student–staff ratio
STABEX	Study Abroad Exchange (database)
SUPRA	Sydney University Postgraduate Students' Representative Association
SUSport	Sydney Uni Sport & Fitness

T	
TAFE	Technical and Further Education
TOEFL	Test of English as a foreign language
TPI	Teaching Performance Indicator

U	
UAC	Universities Admissions Centre
UMAP	University Mobility in Asia and the Pacific
UNESCO	United Nations Educational, Scientific and Cultural Organisation
UPA	University Postgraduate Awards

V	
VCAC	Vice-Chancellor's Advisory Committee
VET	Vocational Education and Training

W	
WAM	Weighted Average Mark
WRP	Workplace Reform Program
WTO	World Trade Organization

Y	
YFE	Year of first enrolment

Glossary

For a table of commonly used acronyms and abbreviations that appear in University documents and publications, see 'Abbreviations'.

This glossary describes terminology in use at the University of Sydney.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A

Academic Board

The senior academic body within the University. In conjunction with faculties, the Academic Board has responsibility for approving new or amended courses and endorsing faculty development of units of study. The board is also responsible for the formulation and review of policies, guidelines and procedures in relation to academic matters. For further information, see the *University of Sydney (Academic Governance) Rule 2003 (as amended)*.

Academic Consortium 21 (AC21)

An international network, of which the University is a member, comprising educational, research and industrial organisations throughout the world with the objective of encouraging the further advancement of global cooperation to the benefit of higher education and to contribute to world and regional society.

Academic cycle

The program of teaching sessions offered over a year. Currently the cycle runs from the enrolment period for Semester One to the completion of the processing of results at the end of Semester Two. See also 'Academic year', 'Stage'.

Academic dishonesty

Academic dishonesty occurs when a student presents another person's ideas, findings or written work as his or her own by copying or reproducing them without due acknowledgement of the source and with intent to deceive the examiner. Academic dishonesty also covers recycling, fabrication of data, engaging another person to complete an assessment or cheating in exams. See also 'Plagiarism'.

Academic record

The complete academic history of a student at the University. It includes, among other things: personal details; all units of study and courses taken; assessment results (marks and grades); awards and prizes obtained; infringements of progression rules; approvals for variation in course requirements and course leave; thesis and supervision details.

Access to a student's academic record is restricted to authorised University staff and is not released to a third party without the written authorisation of the student.

See also 'Academic transcript'.

Academic transcript

A printed statement setting out a student's academic record at the University. There are two forms of academic transcript: external and internal.

See also 'Academic record', 'External transcript', 'Internal transcript'

Academic year

The current calendar year in which a student is enrolled.

See also 'Academic cycle', 'Stage'.

Ad eundem gradum

Long-standing full-time members of the University's academic and general staff who are not graduates of the University may be considered by Senate, upon their retirement, for admission *Ad eundem gradum* ('to the same degree') to an appropriate degree of the University.

Admission

Governed by the University's admission policy, this is the process for identifying applicants eligible to receive an initial offer of enrolment in a course at the University. Admission to most courses is based on performance in the HSC, with applicants ranked on the basis of their UAI. Other criteria such as a portfolio, interview, audition, or results in standard tests may also be taken into account for certain courses.

Admission basis

The main criterion used by a faculty in assessing an application for admission to a course. The criteria used include, among other things, previous secondary, TAFE or tertiary studies; work experience; special admission; and the Universities Admission Index (UAI).

Admission (Deferment)

An applicant who receives an offer of admission to a course may apply to defer enrolment in that course for one semester or one academic cycle.

Admission mode

A classification based on how a student was admitted to a course, for example 'UAC' or 'direct'.

Admission period

The period during which applications for admission to courses are considered.

Admission year

The year the student expects to begin the course.

See also 'Commencement date'.

Advanced diplomas

See 'Award course'.

Advanced standing

See 'Credit'.

Adviser

A member of academic staff appointed in an advisory role for some postgraduate coursework students.

See also 'Associate supervisor', 'Instrumental supervisor/teacher', 'Research supervisor', 'Supervision'.

Aegrotat

In exceptional circumstances involving serious illness or death of a student prior to completion of their course, the award of aegrotat and posthumous degrees and diplomas may be conferred.

Alumni

See 'Graduate'

Alumni sidneiensis

A searchable database of graduates of the University from 1857 to 30 years prior to the current year.



Annual average mark (AAM)

The average mark over all units of study attempted in a given academic year (equivalent to the calendar year).

The formula for this calculation is:

$$AAM = \frac{\sum (\text{marks} \times \text{credit point value})}{\sum (\text{credit point value})}$$

(sums over all units of study completed in the selected period)

Where the mark is the actual mark obtained by the student for the unit of study, or in the case of a failing grade with no mark – 0. Pass/fail assessed subjects and credit transfer subjects (from another institution) are excluded from these calculations. However, the marks from all attempts at a unit of study are included.

Annual progress report

A form used to monitor a research student's progress each year. The form provides for comments by the student, the supervisor, the head of the department and the dean (or their nominee). The completed form is attached to the student's official file.

Annual Report

The University's yearly financial and audit report, submitted to the NSW Parliament. It also includes a broad range of the University's activities and the strength of their performance in relation to the University's stated roles, values and goals.

Appeals

Students may lodge an appeal against academic or disciplinary decisions.

Appeals against an academic decision

A student may appeal to the Student Appeals Body against a decision by the University that affects the academic assessment or progress of a student within his or her award course, including a decision:

(a) to exclude a student in accordance with the *University of Sydney (Coursework) Rule 2000 (as amended)*

(b) not to readmit or re-enrol a student following exclusion in accordance with the *University of Sydney (Coursework) Rule 2000 (as amended)*

(c) to terminate a student's candidature for a postgraduate award.

See also 'Student Appeals Body'.

Appeal against a disciplinary decision

A student may appeal to the Student Disciplinary Appeals Committee against a determination being:

(a) a finding by the Vice-Chancellor or the student Proctorial Board that the student is guilty of misconduct

(b) the imposition of a penalty upon the student by the Vice-Chancellor or the Student Proctorial Board

(c) an order made by the Vice-Chancellor or the Student Proctorial Board.

See also 'Student Disciplinary Appeals Committee'.

Assessment

The process of measuring the performance of students in units of study and courses. Performance may be assessed by examinations, essays, laboratory projects, assignments, theses, treatises or dissertations.

See also 'Result processing', 'Result processing schedule'.

Formative assessment

Used principally to provide students with feedback on their progress in learning. It reinforces successful learning, and is an opportunity for students to expose the limits in their knowledge and understanding.

Summative assessment

Used to certify competence, or to arrange students in a rank order of merit. It certifies the attainment of a standard, and is used as the basis for progression to the next part of a program, or to graduation.

Associate supervisor

A person who is appointed in addition to the supervisor of a research student, who can provide the day-to-day contact with the candidate or provide particular expertise or additional experience in supervision. See also 'Adviser', 'Instrumental supervisor/teacher', 'Research supervisor', 'Supervision'.

Association of Pacific Rim Universities (APRU)

A consortium of leading research universities in the Pacific Rim, of which the University is a member, which aims to foster education, research and enterprise thereby contributing to the economic, scientific and cultural advancement in the Pacific Rim.

Assumed knowledge

For some units of study, a student is assumed to have passed a relevant subject in the HSC and this is called assumed knowledge. While students are generally advised against taking a unit of study for which they do not have the assumed knowledge, they are not prevented from enrolling in the unit of study.

See also 'Prerequisite'.

Attendance pattern

Attendance pattern is classified as full-time, part-time or external. It depends on the student's mode of attendance and the student load.

Attendance mode

A Department of Education, Science and Training (DEST) classification defining the manner in which a student is undertaking a course, such as internal, external, mixed or offshore.

Australian Qualifications Framework (AQF)

The framework for recognition and endorsement of qualifications established by the Ministerial Council on Education, Employment, Training and Youth Affairs (MCEETYA).

AUSTUDY

Provides financial help to students who are 25 years old or over who meet the required criteria, and are undertaking an approved full-time course at an approved institution.

See also 'Youth allowance'.

Automated Results Transfer System (ARTS)

This system was developed by the Australasian Conference of Tertiary Admissions Centres (ACTAC) to allow the electronic academic record of a student to be accessed, via an admission centre, by tertiary institutions.

Award course

See 'Course'.

B**Bachelor's degree**

The highest undergraduate award offered at the University. A bachelor's degree course normally requires three or four years of full-time study or the part-time equivalent.

See also 'Award course'.

Barrier

An instruction placed on a student's record that prevents the student from re-enrolling or graduating.

See also 'Deadlines (fees)', 'Suppression of results'.

Board of studies

An academic body which supervises a course or courses, and is similar to a faculty except that it is headed by a chair rather than a dean and does not supervise PhD candidates.

Bursaries

Financial award made to a student, based primarily on need.

See also 'Scholarships'.

C

Calendar

See 'University Calendar'.

Cadigal program

A program, named in recognition of the Aboriginal people of the land on which the University is located, designed to increase the successful participation of Aboriginal and Torres Strait Islander people in degree courses in all faculties at the University of Sydney.

Campus

The grounds on which the University is situated. There are ten campuses of the University of Sydney:

- Burren Street (Institute of Transport Studies)
- Camperdown
- Darlington
- Camden (Agriculture and Veterinary Science)
- Conservatorium (Sydney Conservatorium of Music)
- Cumberland (Health Sciences)
- Mallett Street (Nursing)
- Rozelle (Sydney College of the Arts)
- St James (Law)
- Surry Hills (Dentistry)

Cancellation

Where enrolment is cancelled for non-payment of fees.

Candidature

Candidature commences when a student is admitted to a course of study leading to the award of a degree, diploma or certificate. There are maximum periods and in some cases minimum periods of candidature depending on the award course and whether the candidate is a full-time or part-time student.

See 'Course enrolment status'.

Census date

The date at which a student's enrolment, load and HECS liability are finalised before this information is reported to DEST.

See also 'HECS-HELP'.

Ceremony

See 'Graduation ceremony'.

Chancellor

The non-executive head of the University. An honorary position, the Chancellor presides over meetings of the University's governing body, the Senate, and important ceremonial occasions such as graduations.

Clinical experience

Students undertake clinical placements in a professional environment as part of their course requirements. Many require University-approved supervision. In order to undertake clinical placements a student may be required to fulfil additional requirements.

Combined course

A course which leads to two awards. For example the Arts/Law course leads to the separate awards of Bachelor of Arts and Bachelor of Laws.

Combined degree

A single program with a single set of course resolutions leading to the award of two degrees (unless otherwise specified in the resolutions). See also 'Combined course'.

Commencement date

The date a student commences candidature.

Commonwealth Supported Place (CSP)

(Previously known as a HECS Place.) A student in a Commonwealth Supported Place makes a contribution towards the cost of their education (known as the student contribution) while the Australian Government contributes the majority of the cost.

Confirmation of Enrolment form (COE)

This form is issued to each student after enrolment, showing the course and the units of study in which the student is enrolled, together with the credit point value of the units of study and the HECS weights. Until all fees are paid, it is issued provisionally. A new confirmation of enrolment form is produced every time a student's enrolment is varied.

Conjoint ventures

Two or more institutions cooperate to provide a unit or course of study to postgraduate coursework students. Arrangements exist between individual departments at the University of Sydney and individual departments at the University of New South Wales (UNSW) and the University of Technology Sydney (UTS).

In these arrangements, students enrolled for a degree at one institution complete one or more units of study at the other institution to count towards the award program at their 'home' institution.

Continuing professional education

A process which provides a number of programs of continuing education courses for professionals as they move through their career. These programs are presently administered by the Centre for Continuing Education (CCE) and a number of departments and foundations across the University. This process supports the whole of life learning concept and involves the maintenance of a long-term relationship between the student and the University.

Convocation

The body comprising the Fellows and former Fellows of the Senate of the University of Sydney; members of the former governing bodies of the institutions with which the University has amalgamated or their predecessors; the graduates of the University of Sydney, which include graduates of the institutions with which the University has amalgamated or their predecessors; professors and other full-time members of the academic staff of the University; and principals of the incorporated colleges. This is as per clause 14 of the *University of Sydney Act 1989*.

Core unit of study

A unit of study that is compulsory for a particular course or subject area.

See also 'Unit of study'.

Corequisite

A unit of study which must be taken in the same semester or year as a given unit of study (unless it has already been completed). These are determined by the faculty or board of studies concerned, published in the faculty handbook and shown in FlexSIS.

See also 'Prerequisite', 'Waiver'.

Cotutelle Scheme

Agreement between the University and any overseas university for joint supervision and examination of a PhD student as part of an ongoing cooperative research collaboration. If successful, the student receives a doctorate from both universities with each testamur acknowledging the circumstances under which the award was made.

Course

An undertaking of study at the University of Sydney.

Award course

A formal course of study that will see attainment of a recognised award. Award courses are approved by Academic Board and endorsed by Senate. The University broadly classifies courses as undergraduate, postgraduate coursework or postgraduate research.

See also 'Bachelor's degree', 'Course rules', 'Diploma', 'Doctorate', 'Major', 'Master's degree', 'Minor', PhD, 'Stream'.

Non-award course

Studies undertaken by students who are not seeking an award from the University.

See also 'Cross-institutional enrolment'.

Coursework

An award course not designated as a research award course. While the program of study in a coursework award course may include a component of original work, other forms of instruction and learning will normally be dominant.

Research

A course in which at least 66 per cent of the overall course requirements involve students undertaking supervised research, leading to the production of a thesis or other piece of written or creative work, over a prescribed period of time.

Course alias

A unique five character alpha-numeric code which identifies a University course.

Course code

See 'Course alias'.

Course enrolment status

A student's enrolment status in a course is either 'enrolled' or 'not enrolled'. 'Not enrolled' reasons include: cancelled; suspended; under examination; or terminated.

See also 'Cancellation', 'Candidature', 'Course leave', 'Enrolment', 'Enrolment variation', 'Terminated', 'Under examination'.

Course leave

Students are permitted to apply for a period away from their course without losing their place. Course leave is formally approved by the supervising faculty for a minimum of one semester. Students on leave are regarded as having an active candidature, but they are not entitled to a student card. At undergraduate level, leave is not counted towards the total length of the course. Students who are absent from study without approved leave may be discontinued and may be required to formally reapply for admission.

See also 'Progression'.

Course rules

Rules which govern the allowable enrolment of a student in a course. Course rules may be expressed in terms of types of units of study taken, length of study, and credit points accumulated. For example, a candidate may not enrol in units of study having a total value of more than 32 credit points per semester. Course rules also govern the requirements for the award of the course, for example a candidate must have completed a minimum of 144 credit points.

See also 'Award course', 'Corequisite', 'Prerequisite'.

Course suspension

See 'Course leave'.

Course transfer

A transfer occurs when a student changes from one course in the University to another course in the University without the requirement for an application and selection process (for example from a PhD to a master's program in the same faculty).

Credit

The recognition of previous studies successfully completed at this University, or another university or tertiary institution recognised by the University of Sydney, as contributing to the requirements of the course to which the applicant requesting such recognition has been admitted. It may be granted as specified credit or non-specified credit.

Specified credit

The recognition of previously completed studies as directly equivalent to units of study.

Non-specified credit

A 'block credit' for a specified number of credit points at a particular level. These credit points may be in a particular subject area but are not linked to a specific unit of study.

See also 'Annual average mark (AAM)', 'Waiver', 'Weighted average mark (WAM)'.

Credit points

The value of the contribution each unit of study provides towards meeting course completion requirements. Each unit of study normally has a six credit point value assigned to it. The total number of credit points required for completion of award courses will be specified in the Senate Resolutions relevant to the award course.

Cross-institutional enrolment

An enrolment in units of study at one university to count towards an award course at another university. Cross-institutional enrolments incur a student-contribution liability (see Commonwealth-supported student) or tuition fee charge at the institution at which the unit of study is being undertaken.

See also 'Non-award course'.

D**Data Audit Committee (DAC)**

The Data Audit Committee's role is to oversee the integrity and accuracy of the course and unit of study data as strategic University data. It also advises the Academic Board on suggested policy changes related to course and unit of study data. A subcommittee of the VCAC Enrolment Working Party, it is chaired by the Registrar, with membership including the deans, the Student Centre, FlexSIS and Planning and Statistics.

Deadlines (Enrolment variations)

See 'Enrolment variation'.

Deadlines (Fees)

The University has deadlines for the payment of fees (for example, HECS, compulsory subscriptions, course fees). Students who do not pay fees by these deadlines may have their enrolment cancelled or they may have a barrier placed on the release of their record.

See also 'Barrier', 'Cancellation'.

Dean

The head of a faculty, or the principal or director of a college (such as the Sydney Conservatorium of Music or the Sydney College of the Arts).

Dean's Certificate

A statement from the Dean certifying that all requirements, including fieldwork and practical work, have been met and that the student is eligible to graduate. Not all faculties use Dean's Certificates. In faculties that do, qualified students have 'Dean's Certificate' noted on their academic record.

Deferment (Deferral)

See also 'Admission (deferment)', 'Course leave'.

Degree

See also 'Award course', 'Bachelor's degree'.

Delivery mode

Indicates how students receive the instruction for a unit of study. The delivery mode must be recorded for each unit as distinct from the attendance mode of the student, for example an internal student may take one or more units by distance mode and an external student may attend campus for one or more units.

Distance education

Where subject matter is delivered in a more flexible manner, such as correspondence notes, a student may only attend campus if required. See also 'Extended semester', 'Distance education', 'International – off shore'.

Intensive on-campus

Core content is delivered with support learning in an intensive (one or more days) format on campus. Participation is usually compulsory. Previously this may have been called residential, block mode, or weekend workshop.

On-campus (normal)

Attendance of scheduled lectures, tutorials etc at a campus of the University.

Department

See 'School'.

Department of Education, Science and Training (DEST)

The Federal Government department responsible for higher education.

Diploma

The award granted following successful completion of diploma course requirements. A diploma course usually requires less study than a degree course.

See also 'Award course'.

Direct admissions

For some courses, applications may be made directly to the University. Applications are received by faculties or the International Office, and considered by the relevant department or faculty body. Decisions are recorded and letters are forwarded to applicants advising them of the outcome.

See also 'Admission', 'UAC'.

Disability information

Students may inform the University of any temporary or permanent disability which affects their life as a student. Disability information is recorded but it is only available to particular authorised users because of its sensitive nature and students will be informed of its use.

Disciplinary action

Undertaken as the result of academic or other misconduct, for example plagiarism, cheating, security infringement, criminal activity.

Discipline

A defined area of study, for example, chemistry, physics, economics.

Discipline group

A DEST code used to classify units of study in terms of the subject matter being taught or being researched.

Discontinuation (course)

See 'Enrolment variation'.

Discontinuation (unit of study)

See 'Enrolment variation'.

Dissertation

A written exposition of a topic which may include original argument substantiated by reference to acknowledged authorities. It is a required unit of study for some postgraduate award courses in the faculties of Architecture and Law.

Distance education

Where a student does not attend campus on a daily basis for a given course or unit of study.

See also 'Delivery mode', 'Extended semester'.

Doctorate

A high-level postgraduate award. A doctorate course normally involves research and coursework; the candidate submits a thesis that is an original contribution to the field of study. Entry to a doctorate course often requires completion of a master's degree course. Note that the doctorate course is not available in all departments at the University. See also 'Award course', 'PhD'.

Domestic student

A student who is not an international student.

See also 'Local student'.

Double degree

A double degree is a program where students are permitted by participating faculties (and/or by specific resolutions within a single award) to transfer between courses in order to complete two awards.

Downgrade

Where a student enrolled in a PhD reverts to a master's by research, either on the recommendation of the University on the basis that the research they are undertaking is not at an appropriate level for a PhD; or at the student's own request, for personal or academic reasons.

E**Equivalent full-time student unit (EFTSU)**

The equivalent full-time student unit (EFTSU) is a measure of student load based on the workload for a student undertaking a full year of study in a particular course. A student is then recorded as having generated one EFTSU.

See also 'Load', 'Stage'.

Equivalent full-time student load (EFTSL)

The equivalent full-time student load (EFTSL) for a year. It is a measure, in respect of a course of study, of the study load for a year of a student undertaking that course of study on a full-time basis.

Embedded courses

Award courses in the graduate certificate, graduate diploma and master's degree by coursework sequence which allow unit of study credit points to count in more than one of the awards, for example the Graduate Certificate in Information Technology, Graduate Diploma in Information Technology and Master of Information Technology.

Enrolment

A student enrolls in a course by registering with the supervising faculty in the units of study to be taken in the coming year, semester or session.

Commencing

An enrolment is classified as commencing if a student has enrolled in a particular degree or diploma for the first time.

Continuing

Students already in a course at the University re-enrol each year or semester. Most continuing students are required to pre-enrol.

See also 'Pre-enrolment'.

Enrolment list

A list of all currently enrolled students in a particular unit of study.

See also 'Unit of study'.

Enrolment status

See 'Course enrolment status'.

Enrolment Variation

Students may vary their enrolment at the start of each semester. Each faculty determines its deadlines for variations, but student-contribution liability depends on the Commonwealth census date.

See also 'Commonwealth Supported Place'.

Examination

A set of questions or exercises evaluating on a given subject given by a department or faculty.

See also 'Examination period', 'Assessment'.

Examination period

The time set each semester for the conduct of formal examinations.

Examiner (Coursework)

The person assessing a student or group of students, for example through written/oral examination, coursework assignments, presentations.

Exchange student

Either a University of Sydney student participating in a formally agreed program involving study at an overseas university, or an overseas student studying here on the same basis. The International Office provides administrative support for some exchanges.

Exclusion

A faculty may ask a student whose academic progress is considered to be unsatisfactory to 'show good cause' why the student should be allowed to re-enrol. If the faculty deems the student's explanation unsatisfactory, or if the student does not provide an explanation, the student may be excluded either from a unit of study or from a course or faculty. An excluded student may apply to the faculty for permission to re-enrol. Normally, at least two years must have elapsed before such an application would be considered. University policy relating to exclusions is set out in the *Calendar*.

See also 'Progression', 'Senate appeals'.

Exemption

A decision made at a sub-unit of study level to allow a student to complete a unit of study without also completing all the prescribed components of coursework and/or assessment.

See also 'Credit', 'Waiver'.

Expulsion

The ultimate penalty of disciplinary action is to expel the student from the University. The effect of expulsion is:

- the student is not allowed to be admitted or to re-enrol in any course at the University
- the student does not receive their results
- the student is not allowed to graduate
- the student does not receive a transcript or testamur.

Extended semester

A distance-learning student may be allowed more time to complete a module or program if circumstances beyond the student's control, such as drought, flood or illness, affect the student's ability to complete the module or program in the specified time.

See also 'Distance education'.

External

See 'Attendance mode', 'Distance education'.

External transcript

A certified statement of a student's academic record printed on official University security paper. It includes the student's name, any credit granted, all courses the student was enrolled in and the final course result and all units of study attempted within each course together with the result. It also acknowledges prizes the student has received. Marks can be included or omitted, as required.

See also 'Academic transcript', 'Internal transcript'.

F**Faculty**

A formal part of the University's academic governance structure, consisting mainly of academic staff members and headed by a dean, which is responsible for all matters concerning the award courses that it supervises. Usually, a faculty office administers the faculty and student or staff inquiries related to its courses. The *University Calendar* sets out the constitution of each of the University's faculties.

See also 'Board of Studies', 'Supervising faculty'.

Faculty handbook

The annual University publication for each faculty which provides detailed information about the faculty, its courses and resolutions.

FEE-HELP

An eligible student in a postgraduate course or in a bridging study course (for overseas-trained professionals) can apply for assistance (in the form of a loan) in paying all or some of their tuition fees.

Fee-paying students

Students who pay tuition fees to the University and are not liable for student contributions to a Commonwealth Supported Place. The Commonwealth does not contribute towards the cost of the education of fee-paying students. Annual fees vary between the faculties. Students pay a per semester fee.

Fellows of Senate

Members of the governing body of the University who are either elected, appointed or ex-officio.

Flexible learning

See 'Delivery mode', 'Distance education'.

Flexible start date

Full fee-paying distance students are not restricted to the same enrolment time frames as campus-based or Commonwealth-supported students.

Flexible Student Information System (FlexSIS)

The computer-based Flexible Student Information System at the University of Sydney.

FlexSIS holds details of courses and units of study being offered by the University and the complete academic records of all students enrolled at the University.

Formative assessment

See also 'Assessment'.

Full-time student

See 'Attendance pattern', 'EFTSU'.

G**Grade**

The outcome for a unit of study linked with a mark range. For example, a mark in the range 85–100 attracts the grade 'high distinction' (HD). See also 'Mark'.

Graduand

A student who has completed all the requirements for an award course but has not yet graduated.

See also 'Graduation', 'Potential graduand'.

Graduate

A person who holds an award from a recognised tertiary institution.

See also 'Graduand', 'Graduation'.

Graduate certificate

See 'Award course'.

Graduate diploma

See 'Award course'.

Graduate-entry degree

A bachelor's, or undergraduate degree, that requires another undergraduate degree as a prerequisite of entry. Examples of graduate-entry degrees at the University of Sydney include the Medical Program, Graduate Law and the Bachelor of Dentistry.

Graduation

The formal conferring of awards either at a ceremony or in absentia.

See also 'In absentia', 'Potential graduand'.

Graduation ceremony

A ceremony where the Chancellor confers awards upon graduands.

Group of Eight (G08)

The Group of Eight represents Australia's major research-intensive universities and membership comprises the vice-chancellors (presidents) of the Australian National University, Monash University, the University of Adelaide, the University of Melbourne, the University of New South Wales, the University of Queensland, the University of Sydney, and the University of Western Australia.

The Group of Eight works to ensure a consistent and sustainable policy environment which maximises the wide-ranging economic, social and cultural benefits to the Australian community of higher education and which ensures Australian universities are recognised as among the best in the world.

Group work

Means a formally established project to be conducted by a number of students in common, resulting in a single piece of assessment or a number of associated pieces of assessment.

See also 'Legitimate cooperation'.

H**Handbook**

See 'Faculty handbook'.

Head of department/Head of school (HOD/HOS)

The head of the academic unit which has responsibility for the relevant unit of study, or equivalent program leader.

Higher Education Contribution Scheme (HECS)

The Higher Education Contribution Scheme (HECS) was the previous Commonwealth Government student loan scheme. It ceased to operate on 1 January 2005 and was replaced by HECS-HELP (see below).

HECS-HELP

An eligible student in a Commonwealth Supported Place can apply for assistance in paying their student contribution. This may take the form of a HECS-HELP loan to pay all or some of the student contribution, or a HECS-HELP discount if all (or at least \$500) of the student contribution is paid by the census date.

Honorary degrees

A degree *honoris causa* (translated from the Latin as 'for the purpose of honouring') is conferred on a person whom the University wishes to honour.

Honours

Some degrees may be completed 'with honours'. This may involve the completion of a separate honours year, additional work in the later years of the course or meritorious achievement over all years of the course. Honours are awarded in a class (Class I, Class II – which may have two divisions or, Class III).

NSW Higher School Certificate (HSC)

The NSW Higher School Certificate (HSC), which is normally completed at the end of year 12 of secondary school. The UAI (Universities Admission Index) is a rank out of 100 that is computed from a student's performance in the HSC.

I***In absentia***

Latin for 'in the absence of'. Awards are conferred *in absentia* when graduands do not, or cannot, attend the graduation ceremony scheduled for them. Those who have graduated *in absentia* may later request that they be presented to the Chancellor at a graduation ceremony.

See also 'Graduation'.

Instrumental supervisor/teacher

All students at the Sydney Conservatorium of Music have an instrumental teacher appointed.

See also 'Adviser', 'Associate supervisor', 'Research supervisor', 'Supervision'.

Internal mode

See 'Attendance mode'.

Internal transcript

A record of a student's academic record for the University's own internal use. It includes the student's name, student identifier (SID), address, all courses in which the student was enrolled and the final course result, and all units of study attempted within each course, together with the unit of study result.

See also 'Academic transcript', 'External transcript'.

International student

Any student who is not an Australian or New Zealand citizen or a permanent resident of Australia is an international student. An international student is required to hold a visa that allows study in Australia and may be liable for international tuition fees.

Fee-paying

A private international student who is liable to pay tuition fees for their studies with the University.

Fee-paying – outgoing exchange

An international fee-paying student undertaking short term study at a recognised overseas institution with which the University has a student exchange agreement. Exchange study counts towards the student's University of Sydney award and students remain enrolled in their University of Sydney course during the period of exchange.

International – cross-institutional

An international fee paying student undertaking non-award study at the University on a cross-institutional basis. They are liable to pay fees for the study they undertake at the University, but there is no compliance reporting requirement, which rests with their 'home' institution.

International – sponsored

A private international student who is fully sponsored for his/her tuition; his/her sponsorship may also include overseas health cover and compulsory subscriptions.

Offshore studies

International offshore students undertake their program of study at one of the University's offshore campuses and do not enter Australia. Therefore they do not require a visa. They are distinct from international students who are on outbound exchange programs as they never enter Australia during their program of study.

Short course

An international fee-paying student undertaking a short course with the University of Sydney such as international development programs, executive training or study visits. The study undertaken by these students is non-award and generally a student visa is not required.

Sponsored award

An international student sponsored by the Australian government, undertaking a program of study at the University. Currently Australian Development Scholarships holders, funded by AusAID, are the only students in this category. These students are fully sponsored for their tuition and other costs such as travel and health cover, and are paid a stipend.

Study Abroad

An international student who is undertaking short-term study at the University under the Study Abroad scheme. Study Abroad students must have completed at least one year of study towards a degree at a recognised institution in their home country and are continuing towards the degree of their home institution.

See also 'Local student', 'Student type'.

L**Learning entitlement**

Each student has a seven-year full-time period during which they can remain Commonwealth-supported. This seven year period is called their 'learning entitlement'.

Leave

See 'Course leave'.

Legitimate cooperation

Any constructive educational and intellectual practice that aims to facilitate optimal learning outcomes through student interaction.

See also 'Group work'.

Life membership

Life membership is no longer offered by the University of Sydney Union (USU). However, existing life Members continue to enjoy the right to vote in USU elections and at USU general meetings. Like all members, life members are encouraged to stand for election to the USU Board. Similarly, life members, once they have paid the appropriate annual fees, are able to enjoy the benefits of the Access Benefits program.

Load

The sum of the weights of all the units of study in which a student is enrolled. The weight is determined by the proportion of a full year's work represented by the unit of study in the degree or diploma for which the student is a candidate. Student load is measured in terms of Equivalent full-time student units (EFTSU).

See also 'Equivalent full-time student units (EFTSU)'.

Local student

Either an Australian or New Zealand citizen or Australian permanent resident. New Zealand citizens are required to pay their Higher Education Contribution Scheme (HECS) fees upfront.

See also 'Domestic student', 'International student'.

M**Major**

A field of study, chosen by a student, to represent their principal interest. This would consist of specified units of study from later stages of the award course. Students select and transfer between majors by virtue of their selection of units of study. One or more majors may be awarded upon the graduand's assessment of study.

See also 'Award course', 'Minor', 'Stream'.

Major timetable clash

The term used when a student attempts to enrol in units of study which have so much overlap in the teaching times that it has been decided that students must not enrol in the units simultaneously.

Mark

An integer (rounded if necessary) from 0 to 100 indicating a student's performance in a unit of study.

See also 'Grade'.

Master's degree

A postgraduate award. Master's degree courses may be offered by coursework, research only or a combination of coursework and research. Entry to the course often requires completion of an honours year at an undergraduate level.

See also 'Award course'.

Method of candidature

A course is either a research course or a coursework course and so the methods of candidature are 'research' and 'coursework'.

See also 'Course (Coursework)', 'Course (Research)'.

Mid-year intake

Admission to degree programs for Semester Two.

Minor

Studies undertaken to support a major. Requiring a smaller number of credit points than a major, students select and transfer between minors (and majors) by virtue of their selection of units of study. One or more minors may be awarded upon the graduand's assessment of study.

See also 'Award course', 'Major', 'Stream'.

Mixed mode

See 'Attendance mode'.

MPhil

The Master of Philosophy (MPhil) is a master's by research degree offered by some (but not all) of the University's faculties.

See also 'Award course', 'Master's degree'.

Mutually exclusive units of study

See 'Prohibited combinations of units of study'.

MyUni

The University of Sydney's student portal system. It provides access to email, library services, student self-administration, support services, e-learning software such as Blackboard and WebCT, as well as information about the University and its courses.

N**Non-award course**

See 'Course'.

Non-standard session

A teaching session other than the standard February and August sessions – such as Sydney Summer School or Winter School, in which units of study are delivered and assessed in an intensive mode during January or July respectively.

See also 'Semester', 'Session'.

O**Orientation Week**

Orientation or 'O Week', takes place in the week before lectures begin in Semester One. During O Week, students can join various clubs, societies and organisations, register for courses with departments and take part in activities provided by the University of Sydney Union.

P**Part-time student**

See also 'Attendance mode', 'Attendance pattern', 'Equivalent full-time student units (EFTSU)'.

Permanent home address

The address used for all official University correspondence with a student, both inside and outside of semester time (for example during semester breaks), unless the student provides a different address for use during the semester.

See also 'Semester address'.

PhD

The Doctor of Philosophy (PhD) and other doctorate awards are the highest awards available at the University. A PhD course is normally purely research-based; the candidate submits a thesis that is an original contribution to the field of study.

See also 'Award course', 'Doctorate'.

Plagiarism

Presenting another person's ideas, findings or work as one's own by copying or reproducing them without acknowledging the source.

See also 'Academic dishonesty'.

Policy Online

The website which provides access to the University's current policies, procedures and guidelines.

Postgraduate

A term used to describe a course leading to an award such as graduate diploma, a master's degree or PhD which usually requires prior completion of a relevant undergraduate degree (or diploma) course. A 'postgraduate' is a student enrolled in such a course.

See also 'Course (Coursework)', 'Course (Research)'.

Postgraduate Education Loans Scheme (PELS)

An interest-free loans facility for eligible students who are enrolled in fee-paying, postgraduate non-research courses. It is similar to the deferred payment arrangements available under the Higher Education Contribution Scheme (HECS). This scheme was replaced by the FEE-HELP scheme on 1 January 2005.

See also 'FEE-HELP'.

Potential graduand

A student who has been identified as being eligible to graduate on the satisfactory completion of their current studies.

See also 'Graduand', 'Graduation'.

Pre-enrolment

Pre-enrolment – also known as provisional re-enrolment – takes place in October, when students indicate their choice of unit of study enrolment for the following year. After results are approved, pre-enrolment students are regarded as enrolled in those units of study for which they are qualified. Their status is 'enrolled' and remains so provided they pay any money owing and comply with other requirements by the due date. Students who do not successfully pre-enrol in their units of study for the next regular session are required to attend the University on set dates during the January/February enrolment period.

See also 'Enrolment'.

Prerequisite

A unit of study that is required to be successfully completed before another unit of study can be attempted. Prerequisites can be mandatory (compulsory) or advisory.

See also 'Assumed knowledge', 'Corequisite', 'Waiver', 'Qualifier'.

Prizes

Awarded in recognition of outstanding performance, academic achievement or service to the community or University.

Probationary candidature

A student who is enrolled in a postgraduate course on probation for a period of time up to one year. The head of department/school is required to consider the candidate's progress during the period of probation and make a recommendation for normal candidature or otherwise to the faculty.

Professional practice

Some students undertake placement in a professional practice as part of their course requirements. This may require University-approved supervision. Professional placements are located in a wide range of professional practices environments, and may not require additional criteria to be fulfilled.

Progression

Satisfactory progression is satisfying all course and faculty rules (normally assessed on an annual basis) to enable the completion of the chosen award within the (maximum) completion time allowed.

See also 'Exclusion'.

Prohibited combinations of units of study

When two or more units of study contain a sufficient overlap of content, enrolment in any one such unit prohibits enrolment in any other identified unit.

See also 'Unit of study'.

Provisional re-enrolment

See 'Pre-enrolment'.

Q**Qualification**

An academic attainment recognised by the University.

Qualifier

A mandatory (compulsory) prerequisite unit of study which must have a grade of pass or better.

See also 'Assumed knowledge', 'Corequisite', 'Prerequisite', 'Waiver'.

R**Recycling**

The submission for assessment of one's own work, or of work which substantially the same, which has previously been counted towards the satisfactory completion of another unit of study, and credited

towards a university degree, and where the examiner has not been informed that the student has already received credit for that work.

Registration

In addition to enrolling with the faculty in units of study, students must register with the department responsible for teaching each unit. This is normally done during Orientation Week. Note that unlike enrolment, registration is not a formal record of units attempted by the student.

Research course

See 'Course (Research)'.

Research supervisor

A supervisor is appointed to each student undertaking a research postgraduate degree. The supervisor will be a full-time member of the academic staff or a person external to the University recognised for their association with the clinical teaching or the research work of the University. A research supervisor is commonly referred to as a supervisor.

See also 'Advisor', 'Associate supervisor', 'Supervision', 'Instrumental supervisor/teacher'.

Result processing

Refers to the processing of assessment results for units of study. For each unit of study, departments/schools tabulate results for all assessment activities and assign preliminary results.

See also 'Assessment', 'Formative assessment', 'Examination period', 'Summative assessment'.

Result processing schedule

The result processing schedule will be determined for each academic cycle. All schools and faculties are expected to comply with this schedule.

See also 'Assessment', 'Examination period', 'Result processing'.

Result

The official statement of a student's performance in each unit of study attempted as recorded on the academic transcript, usually expressed as a mark and grade.

See also 'Grade', 'Mark'.

Research Training Scheme (RTS)

The RTS provides Commonwealth-funded higher degree by research (HDR) students with an 'entitlement' to a HECS exemption for the duration of an accredited HDR course, up to a maximum period of four years full-time equivalent study for a doctorate by research and two years full-time equivalent study for a master's by research.

S**Scholarships**

Financial or other form of support made available to enable students to further their studies.

See also 'Bursaries'.

School

A school or academic unit shall encourage and facilitate teaching, scholarship and research, and coordinate the teaching and examining duties of members of staff in the subjects or courses of study with which it is concerned.

Semester

A half-yearly teaching session, the dates for which are determined by the Academic Board. Normally all undergraduate sessions will conform to the semesters approved by the Academic Board. Any offering of an undergraduate unit not conforming to the semester dates (non-standard session) must be given special permission by the Academic Board.

See also 'Session', 'Non-standard session'.

Semester address

The address to which all official University correspondence is sent during semester time, if it is different to the permanent address.

Senate

The governing body of the University. See the University Calendar for more details of its charter and powers.

Session

Any period of time during which a unit of study is taught. A session differs from a semester in that it need not be a six-month teaching period, but it cannot be longer than six months. Each session maps to either Semester One or Two for DEST reporting purposes.

Session offerings are approved by the relevant dean, taking into account all the necessary resources, including teaching space and staffing. The Academic Board must approve variation to the normal session pattern.

See also 'Semester', 'Non-standard teaching period'.

Session address

See 'Semester address'.

Short course

A fee-paying student undertaking a short course with the University of Sydney comprising professional development, executive training etc. The study undertaken by these students is a non-award course.

Show cause

See 'Progression', 'Exclusion'.

Special consideration

Candidates who suffer serious illness or misadventure which may affect performance in any assessment, may request that they be given special consideration in relation to the determination of their results.

Special Studies Program (SSP)

A period of release from normal duties to allow academic staff to undertake a planned program of academic activity and development.

Sponsorship

Financial support of a student by a company or government body.

Stage

A normal full-time course of study taken in a year.

See also 'Course rules', 'EFTSU', 'Progression'.

Strategic Directions

See also 'University Strategic Directions'.

Stream

A defined award course, which requires the completion of set units of study as specified by the course rules for the particular stream, in addition to the core program specified by the course rules. A stream will appear with the award course name on testamurs, eg Bachelor of Engineering in Civil Engineering (Construction Management).

See also 'Award course', 'Major', 'Minor'.

Student

Student means a person enrolled as a candidate for an award course or unit of study.

Student Appeals Body

Any student may appeal to the Student Appeals Body against an academic decision on the ground that due academic process has not been observed by the relevant faculty in relation to the academic decision.

See also 'Appeals', *University of Sydney (Student Appeals against Academic Decisions) Rule 2006*.

Student Disciplinary Appeals Committee

Any student may appeal to the Student Disciplinary Appeals Committee against a misconduct determination by the Vice-Chancellor or a Student Proctorial Board.

See also 'Appeals'.

Student identifier (SID)

A nine-digit number which uniquely identifies a student at the University.

Student ID Card

All students who enrol are issued with an identification card. The card includes the student's name, SID, the course code, a library borrower's bar code and a passport-style photo. The card identifies the student as eligible to attend classes and must be displayed at formal examinations. It must be presented to secure student concessions and to borrow books from all sections of the University Library.

Student progress rate (SPR)

A calculation which measures the rate at which load undertaken is passed annually in each award program.

Student type

Student type identifies whether a student is local or international and the type of study the student is undertaking.

See also 'International student', 'Domestic student', 'Exchange student'.

Study Abroad program

A scheme administered by the International Office which allows international students who are not part of an exchange program to take units of study at the University of Sydney, but not towards an award program. In most cases the units of study taken here are credited towards an award at their home institution.

See also 'Exchange student'.

Subject area

A unit of study may be associated with one or more subject areas. The subject area can be used to define prerequisite and course rules, for example the unit of study 'History of Momoyama and Edo Art' may count towards the requirements for the subject areas 'Art History and Theory' and 'Asian Studies'.

Summative assessment

See 'Assessment'.

Summer School

See 'Sydney Summer School'.

Supervising faculty

The faculty that has the responsibility for managing the academic administration of a particular course, such as the interpretation and administration of course rules, approving students' enrolments and variations to enrolments. Normally the supervising faculty is the faculty offering the course.

However, in the case of combined courses, one of the two faculties involved will usually be designated the supervising faculty. Further, in the case where one course is jointly offered by two or more faculties (such as the Liberal Studies course), a joint committee may make academic decisions about candidature and the student may be assigned a supervising faculty for administration.

Supervision

A one-to-one relationship between a student and a nominated member of the academic staff or a person specifically appointed to the role.

See also 'Adviser', 'Associate supervisor', 'Research supervisor', 'Instrumental supervisor/teacher'.

Suppression of results

Results for a particular student can be suppressed by the University when the student has an outstanding debt to the University; or the student is facing disciplinary action. A student may also request a suppression for personal reasons.

Suspension

See also 'Course leave'.

Sydney Summer School

A program of accelerated, intensive study running for approximately six weeks during January and February each year. Both undergraduate and postgraduate units are offered. Summer School provides an opportunity for students at Sydney and other universities to catch up on needed units of study, to accelerate completion of a course or to undertake a unit that is outside their award course.

All units attract full fees and enrolled students are also liable for compulsory subscriptions. Some fee-waiver scholarships are available.

Sydney Winter School

An intensive session offered by the University in July during the mid-year break.

T

Teaching department

See 'School'.

Teaching end date

Official finish date of formal timetabled classes.

Teaching start date

Official commencement date of formal timetabled classes.

Terminated

Term used when a student's candidature has been officially closed because they are not able to complete the course requirements.

See also 'Candidature'.

Testamur

A certificate of award provided to a graduand, usually at a graduation ceremony. The award conferred will be displayed along with other appropriate detail.

Thesis

A major work that is the product of an extended period of supervised independent research.

See also 'Course (Research)'.

Timetable

The schedule of lectures, tutorials, laboratories and other academic activities that a student must attend.

Transcript

See 'Academic transcript'.

Transfer

See 'Course transfer'.

Tuition fees

Tuition fees may be charged to students in designated tuition fee-paying courses. Students who pay fees are not liable for HECS.

U

Universities Admissions Centre (UAC)

The UAC receives and processes applications for admission to undergraduate courses at recognised universities in NSW and the ACT. Most commencing, local undergraduate students at the University apply through the UAC.

Universities Admission Index (UAI)

A measure of overall academic achievement in the HSC that assists universities in ranking applicants for university selection. The UAI is based on the aggregate of scaled marks in ten units of the HSC, and is a number between 0.00 and 100.00 with increments of 0.05.

Under examination

Indicates that a research student has submitted their written work (thesis) for assessment, and is awaiting the finalisation of the examiners' outcome and recommendation.

Undergraduate

A term used to describe both a course leading to a diploma or bachelor's degree and a student enrolled in such a course.

Unit of study

Unit of study or unit means a stand-alone component of an award course. Each unit of study is the responsibility of a department.

See also 'Prohibited combinations of unit of study'.

Unit of study enrolment status

This indicates whether the student is still actively attending the unit of study (currently enrolled) or is no longer enrolled.

See also 'Discontinuation' or 'Cancellation'.

Unit of study level

Units of study are divided into Junior, Intermediate, Senior, Honours, Year 5, and Year 6. Most majors consist of 32 Senior credit points in a subject area (either 3000 level units of study or a mix of 2000 and 3000 level units of study).

University

Unless otherwise indicated, 'University' in this document refers to the University of Sydney.

University Calendar

The annual University publication, also available online, which provides general and historical information about the University of Sydney, the statutes and regulations under which it operates and the Senate resolutions relating to constitutions in each faculty.

University Medal

A faculty may recommend the award of a University Medal to a student qualified for the award of an undergraduate honours degree (or some master's degrees), whose academic performance is judged to be outstanding.

University Strategic Directions

This refers to the University of Sydney *Strategic Plan 2007–2010*.

Upgrade

Where a student enrolled in a master's by research course is undertaking research at such a standard that either the University recommends that the student upgrade their degree to a PhD, or the student seeks to upgrade to a PhD and this is supported by the University.

V

Variation of enrolment

See 'Enrolment variation'.

Vice-Chancellor and Principal

The chief executive officer of the University, responsible for its leadership and management. The Vice-Chancellor and Principal is head of both academic and administrative divisions.

W

Waiver

In a prescribed course, a faculty may waive the prerequisite or corequisite requirement for a unit of study or the course rules for a particular student. Unlike credit, waivers do not involve a reduction in the number of credit points required for a course.

See also 'Credit', 'Exemption'.

Winter School

See 'Sydney Winter School'.

Weighted average mark (WAM)

This mark uses the unit of study credit point value in conjunction with an agreed 'weight'. The formula for this calculation is:

$$WAM = \frac{\sum (W_c \times M_c)}{\sum (W_c)}$$

Where W_c is the weighted credit point value, ie the product of the credit point value and the level of weighting of 1, 2, 3, or 4 for a first, second, third or fourth year unit of study respectively; and where M_c is the greater of 45 or the mark out of 100 for the unit of study.

The mark is the actual mark obtained by the student for the unit of study, or in the case of a failing grade with no mark – 0.

Pass/fail assessed subjects and credit transfer subjects (from another institution) are excluded from these calculations. However, the marks from all attempts at a unit of study are included. (Effective from 1 January 2004.)

In addition, faculties may adopt other average mark formulae for specific progression or entry requirements. If such a formula is not specified in the faculty resolutions, the formula outlined above is used. See also 'WAM weight'.

WAM weight

A weight assigned to each unit of study to assist in the calculation of WAMs.

Y

Year of first enrolment (YFE)

The year in which a student first enrolls at the University. See also 'Commencement date'.

Youth Allowance

Youth allowance is payable to a full-time student or trainee aged 16–24 years of age who is enrolled at an approved institution such as a school, college, TAFE or university, and undertaking at least 15 hours a week face-to-face contact.

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The
University
of Sydney

'09

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Precincts

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2009 handbook maps

Map Code: 0102_MAIN

Camperdown and Darlington Campuses



Camperdown Infrastructure Services - August 2008

Directory

University buildings

O6	Aeronautical Engineering Building	F1	Mackie Building
J4	Anderson Stuart Building	H3	MacLaurin Hall
G3	Badham Building	H2	Macleay Building
H3	Bank Building	G1	Margaret Telfer Building
L2	Baxter's Lodge	J6	Madsen Building
L8	Biochemistry and Microbiology Building	H4	Manning House
E6	Blackburn Building	H4	Manning Squash Courts
E7	Bosch Building 1A	D3	McMaster Annexe
E7	Bosch Building 1B	D3	McMaster Annexe
H3	Brennan MacCallum Building	O6	Mechanical Engineering Building
E6	Bruce Williams Pavilion	A2	Medical Foundation Building
L6	Carislaw Building	K8	Merewether Building
F4	Chaplaincy	E1	No. 1-3 Ross Street
M8	Chemical Engineering Building	M7	Old School Building
J5	Chemistry Building	F4	Old Teachers' College
N8	Civil Engineering Building	H3	Pharmacy Building
K10	Civil Engineering Workshop	H6	Physics Annexe
J9	Clark Building	G5	Physics Building
J9	Darlington Centre	N8	P.N.R. Building
K9	Darlington House	E6	Queen Elizabeth II Research Institute
L10	Darlington Road Terraces	H5	R.C. Mills Building
L10	Demountable Village	F2	R.D. Watt Building
K5	Eastern Avenue Auditorium & Lecture Theatre Complex	D4	R.M.C. Gunn Building
L9	Economics and Business Building	M9	Raglan Street Building
H2	Edgeworth David Geology Building	N7	Rose Street Building
G4	Education Building	E2	Ross Street Building
G4	Education Building Annexe	G2	Science Road Cottage
H5	Edward Ford Building	E1	Selle House
N7	Electrical Engineering Building	M10	Services Building
N7	Engineering Link Building	N6	Seymour Centre
C3	Evelyn Williams Building	K10	Shepherd Centre
K3	Fisher Library	O6	Shepherd Street Carpark
K4	Fisher Library Stack	K9	Storie Dixon Wing
G2	Footbridge Theatre	F5	The Arena Sports Centre
C3	Gatekeeper's Lodge	J3	The Quadrangle
J7	Gatekeeper's Lodge (City Road)	J5	Transient Building
M8	Gordon Yu-Hoi Chui Building	L10	University Computing Centre
J2	Great Hall	M9	University Sports & Aquatic Centre
G3	Griffith Taylor Building	D3	Veterinary Science Conference Centre
D4	H.K. Ward Gymnasium	E6	Victor Coppleston Building
F2	Heydon - Laurence Building	F3	Wallace Theatre
G2	Home Building	K7	Wentworth Building
N5	Information Technologies Institute Building	K8	Western Avenue Carpark
K8	Institute Building	M6	W.H. Mize Building
N5	International House	M6	Wilkinson Building
J10	IXL Building		
D3	J.D. Stewart Building		
F2	J.R.A. - McWilliam Building		
L7	Jane Foss Russell Building		
F3	John Woolley Building		

Childcare centres

K11	Boundary Lane
F9	Carillon Avenue
N9	KU Union
H1	Laurel Tree House

Colleges & residential accommodation

J10	Darlington House
K9	Darlington Road Terraces
N5	International House
L10	Mandelbaum House
A4	Sancta Sophia College
C8	St Andrew's College
B5	St John's College
L6	St Michael's College
G7	St Paul's College
E1	Selle House
D10	Sydney University Village
F7	Wesley College
G8	Women's College

Computer Access Centres

H3	Brennan
G4	Education
K3	Fisher
N7	Link
L6	McGrath (Cardlaw)
H3	Pharmacy

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H2	Macleay Museum
J3	Nicholson Museum
N6	Seymour Centre
K7	Sir Hermann Black Gallery
M6	Tim Sheds Gallery
J2	War Memorial Art Gallery

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F2	Agriculture, Food and Natural Resources
M6	Architecture
H3	Arts
K8	Economics & Business
G4	Education and Social Work
N7	Engineering
H5	Medicine
H3	Pharmacy
L6	Science
D3	Veterinary Science

Libraries

G3	Badham
H5	Burkitt-Ford
K3	Curriculum Resources
K3	Fisher
E7	Medical
N6	Music
H5	Schaeffer Fine Arts
L7	SciTech

Retail

H3	Australia Post Office
J9	Darlington Centre
G2	Holme Building
L7	Jane Foss Russell Building
H4	Manning House
F5	The Arena Sports Centre
M9	University Copy Centre
K7	University Health Service
M9	University Sports & Aquatic Centre
M9	University Co-op Bookshop
C3	Valentine Charlton Cat Centre
C3	Veterinary Hospital & Clinic
K7	Wentworth Building

Security

M10	Emergency Services
M10	Lost Property
M10	Traffic & Parking

Sports & recreational venues

K2	Fisher Tennis Courts
D4	HK Ward Gymnasium
H5	Lawn Tennis Courts
H4	Manning Squash Courts
F5	The Arena Sports Centre
G5	The Square
E5	University Oval No. 1
E3	University Oval No. 2
M9	University Sports & Aquatic Centre

Unions & associations (offices)

K7	Students' Representative Council (SRC)
M9	Sydney University Postgraduate Representative Association (SUPRA)
M9	Sydney University Sport
G2	University of Sydney Union

University administration, centres & services

H3	Alumni Relations Office
L7	Careers Centre
L7	Cashier
D10	Centre for Continuing Education
K7	Centre for English Teaching
H3	Chancellor
L10	Computing Centre
H2	Executive Offices
J3	Information Centre
L10	Information and Communications Technology
L7	International Office
K8	Office of Development
M10	Office of University Relations (OUR)
G1	Personnel
L7	Publications Office
H3	Research Office
M10	Room Bookings & Venue Management
L7	Scholarships Unit
M10	SydneyPeople - HR Service Centre
G1	SydneyPeople - SydneyLearning
E1	SydneyPeople - Unistaff
L7	Student Centre
M10	Student Housing
L7	Student Services Unit
K8	Summer School
O5	Sydnovate
F3	United States Studies Centre
H3	University Relations (Vice Principal)
C3	Veterinary Hospital & Clinic
H2	Vice-Chancellor

Course planner

Year	Semester	Unit of study 1 & credit points		Unit of study 2 & credit points		Unit of study 3 & credit points		Unit of study 4 & credit points		Total credit points
1	1									
	2									
2	summer									
	1									
	winter									
	2									
3	summer									
	1									
	winter									
	2									
4	summer									
	1									
	winter									
	2									
5	summer									
	1									
	winter									
	2									
Total credit points										